

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0010	Overall LMA Rating	Total LMA Miles						
Lower San Joaquin Levee District	U	191.27						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	181.72	107.61	612.16	320.04%				
Trim / Thin Trees	0.40		0.40	0.21%				
Encroachments	0.29	0.01	0.33	0.17%	3.52	0.70		
Animal Control	4.54	0.72	7.42	3.88%				
Slope Stability	4.97	0.50	6.97	3.64%				
Erosion / Bank Caving	0.98	1.03	5.10	2.67%				
Crown Surface / Depressions / Rutting	4.43		4.43	2.32%				
Repair Gates	0.01	0.01	0.05	0.03%				
<i>Supplemental</i>								
DWR Erosion Survey	0.05	0.10	0.45	0.24%				
DRAFT DWR UCIP Field Study					0.67	0.03		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	197.39	109.98	637.31	333.19%	4.19	0.73	0.00	0.00

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	22.52						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	19.08	13.49	73.04	324.34%				
Encroachments					1.04	0.58		
Animal Control	0.14	0.07	0.42	1.87%				
Slope Stability	0.04		0.04	0.18%				
Erosion / Bank Caving	0.01		0.01	0.04%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.12	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	19.27	13.56	73.51	326.43%	1.16	0.59	0.00	0.00

Unit No. 02A San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
NA0010	U	7.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	6.48		6.48	82.34%				
Encroachments					0.01			
Animal Control	0.01		0.01	0.13%				
Erosion / Bank Caving		0.07	0.28	3.56%				
<i>Supplemental</i>								
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	6.49	0.07	6.77	86.02%	0.01	0.00	0.00	0.00

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 02B San Joaquin River LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	5.92						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	2.94		2.94	49.66%					
Trim / Thin Trees	0.02		0.02	0.34%					
Encroachments	0.02		0.02	0.34%					
Animal Control	0.01		0.01	0.17%					
Erosion / Bank Caving	0.01	0.01	0.05	0.84%					
Crown Surface / Depressions / Rutting	1.09		1.09	18.41%					
Supplemental									
DRAFT DWR UCIP Field Study					0.01				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	4.09	0.01	4.13	69.76%	0.01	0.00	0.00	0.00	

Unit No. 03 San Joaquin River RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	2.10						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	2.02	0.04	2.18	104.05%					
Encroachments						0.03			
Animal Control	0.04		0.04	1.91%					
Slope Stability	0.01		0.01	0.48%					
Supplemental									
DRAFT DWR UCIP Field Study					0.01				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	2.07	0.04	2.23	106.43%	0.01	0.03	0.00	0.00	

Unit No. 04 San Joaquin River LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	1.41						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.57	0.24	1.53	108.68%					
Encroachments					1.09				
Supplemental									
DRAFT DWR UCIP Field Study					0.05				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	0.57	0.24	1.53	108.68%	1.14	0.00	0.00	0.00	

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 05 East Side Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	34.85						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	27.02	32.18	155.74	446.82%					
Trim / Thin Trees	0.31		0.31	0.89%					
Encroachments	0.21		0.21	0.60%	0.06	0.01			
Animal Control	1.45	0.06	1.69	4.85%					
Slope Stability	0.20		0.20	0.57%					
Erosion / Bank Caving	0.14		0.14	0.40%					
Crown Surface / Depressions / Rutting	1.57		1.57	4.50%					
Repair Gates	0.01		0.01	0.03%					
<i>Supplemental</i>									
DWR Erosion Survey	0.04		0.04	0.12%					
DRAFT DWR UCIP Field Study					0.08	0.01			
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	30.95	32.24	159.91	458.79%	0.14	0.02	0.00	0.00	

Unit No. 06 East Side Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	36.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	31.77	22.58	122.09	334.77%					
Trim / Thin Trees	0.01		0.01	0.03%					
Encroachments	0.01		0.01	0.03%	0.38	0.06			
Animal Control	0.74	0.06	0.98	2.69%					
Slope Stability	4.26	0.50	6.26	17.16%					
Erosion / Bank Caving	0.63		0.63	1.73%					
Repair Gates		0.01	0.04	0.11%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.17	0.01			
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	37.42	23.15	130.02	356.51%	0.55	0.07	0.00	0.00	

Unit No. 07 Bear Creek Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	3.62						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	4.87	0.53	6.99	193.27%					
Animal Control	0.30		0.30	8.30%					
Slope Stability	0.02		0.02	0.55%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.28%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	5.20	0.53	7.32	202.39%	0.00	0.00	0.00	0.00	

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 08 Bear Creek Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	3.63						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	2.19		2.19	60.33%					
Animal Control	0.20		0.20	5.51%					
Slope Stability	0.02		0.02	0.55%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.28%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>		2.42	0.00	2.42	66.67%	0.00	0.00	0.00	0.00

Unit No. 09 Owens Creek Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	0.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	1.17		1.17	133.73%					
Slope Stability	0.01		0.01	1.14%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>		1.18	0.00	1.18	134.87%	0.00	0.00	0.00	0.00

Unit No. 10 Owens Creek Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	0.80						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.56	0.68	3.28	411.96%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>		0.56	0.68	3.28	411.96%	0.00	0.00	0.00	0.00

Unit No. 11 Mariposa Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	3.31						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	3.76	2.78	14.88	448.96%					
Animal Control	0.01		0.01	0.30%					
Slope Stability	0.02		0.02	0.60%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>		3.79	2.78	14.91	449.86%	0.00	0.00	0.00	0.00

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 12 Mariposa Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	3.33						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	6.60		6.60	197.93%					
Animal Control	0.01		0.01	0.30%					
Slope Stability	0.01		0.01	0.30%					
Supplemental									
DRAFT DWR UCIP Field Study					0.01				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	6.62	0.00	6.62	198.53%	0.01	0.00	0.00	0.00	

Unit No. 13 Ash Slough RB	Overall Unit Rating	Total Unit Miles							
NA0010	U	1.27							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.68	0.51	2.72	214.70%					
Encroachments					0.02	0.01			
Animal Control	0.02		0.02	1.58%					
Supplemental									
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	0.70	0.51	2.74	216.28%	0.02	0.01	0.00	0.00	

Unit No. 14 Ash Slough LB	Overall Unit Rating	Total Unit Miles							
NA0010	U	1.28							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.34	0.37	1.82	142.51%					
Encroachments					0.01				
Animal Control	0.03		0.03	2.35%					
Supplemental									
DRAFT DWR UCIP Field Study					0.01				
Unit Totals:	0.37	0.37	1.85	144.85%	0.02	0.00	0.00	0.00	

Unit No. 15 Berenda Slough RB	Overall Unit Rating	Total Unit Miles							
NA0010	U	2.03							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.46	5.02	20.54	1011.34%					
Encroachments	0.01		0.01	0.49%					
Animal Control	0.43		0.43	21.17%					
Crown Surface / Depressions / Rutting	0.47		0.47	23.14%					
Supplemental									
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	1.37	5.02	21.45	1056.15%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance
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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 16 Berenda Slough LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	1.96						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	1.08	2.80	12.28	625.79%					
Animal Control	0.04	0.01	0.08	4.08%					
Crown Surface / Depressions / Rutting	0.51		0.51	25.99%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	1.63	2.81	12.87	655.86%	0.00	0.00	0.00	0.00	

Unit No. 17 Chowchilla Canal Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	16.09						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	16.40	13.13	68.92	428.31%					
Encroachments					0.01				
Animal Control	0.60	0.01	0.64	3.98%					
Slope Stability	0.01		0.01	0.06%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.02				
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	17.01	13.14	69.57	432.35%	0.03	0.00	0.00	0.00	

Unit No. 18 Chowchilla Canal Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	15.35						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	14.36	9.57	52.64	342.90%					
Trim / Thin Trees	0.01		0.01	0.07%					
Encroachments					0.02				
Animal Control	0.32	0.44	2.08	13.55%					
Slope Stability	0.01		0.01	0.07%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.04				
<i>Unit Totals:</i>	14.70	10.01	54.74	356.57%	0.06	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 22A East Side Canal LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	5.51						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	5.21	0.95	9.01	163.66%					
Trim / Thin Trees	0.01		0.01	0.18%					
Encroachments	0.02		0.02	0.36%	0.86				
Animal Control	0.03		0.03	0.55%					
Slope Stability	0.30		0.30	5.45%					
Erosion / Bank Caving	0.19	0.95	3.99	72.48%					
Supplemental									
DWR Erosion Survey	0.01	0.10	0.41	7.45%					
DRAFT DWR UCIP Field Study					0.03				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	5.77	2.00	13.77	250.12%	0.89	0.00	0.00	0.00	

Unit No. 23 San Joaquin River RB		Overall Unit Rating	Total Unit Miles						
NA0010		U	10.24						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	15.70	1.70	22.50	219.69%					
Trim / Thin Trees	0.04		0.04	0.39%					
Encroachments	0.01	0.01	0.05	0.49%					
Animal Control	0.08	0.02	0.16	1.56%					
Slope Stability	0.04		0.04	0.39%					
Crown Surface / Depressions / Rutting	0.02		0.02	0.20%					
Supplemental									
DRAFT DWR UCIP Field Study					0.06				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	15.89	1.73	22.81	222.71%	0.06	0.00	0.00	0.00	

Unit No. 24 San Joaquin River LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	8.36						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	11.50	1.04	15.66	187.38%					
Encroachments	0.01		0.01	0.12%	0.02	0.01			
Animal Control	0.07	0.05	0.27	3.23%					
Slope Stability	0.02		0.02	0.24%					
Supplemental									
DRAFT DWR UCIP Field Study					0.06				
DRAFT DWR UCIP LMA Responsibility									
Unit Totals:	11.60	1.09	15.96	190.97%	0.08	0.01	0.00	0.00	

**Flood Control Project Maintenance
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Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 25 Salt Slough RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	2.49						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	6.96		6.96	280.02%				
Animal Control	0.01		0.01	0.40%				
Crown Surface / Depressions / Rutting	0.75		0.75	30.17%				
<i>Supplemental</i>								
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	7.72	0.00	7.72	310.59%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	22.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/26/2019 - 3/26/2019		10/21/2019 - 10/22/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0010_01_s _ 2013_23				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manuals on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0010_01_s _ 2013_24				
Comment Code					
Inspector Comment					
The LMA has adequate supplies and equipment for flood response.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	25
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0010_01_s _ 2013_25				
Comment Code					
Inspector Comment					
LMA preparedness and training is adequate for flood response.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	1185	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.348637 °	37.348637 °	
				-120.958834 °	-120.958834 °	
DWR ID	19650					
Comment Code						
Inspector Comment						
DS_ID:19650 FS_ID:39091 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope and landward toe. Recommend removing vegetation along pipe alignment and landward toe to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS), elevation 65.1 feet, USGS Datum. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 4/8/2014 7:34:00 AM						

Photo 1 of 3 : UCIP_FA_2019_39091_60601.jpg



Flapgate on WS toe.

LM Start	0.00	Rating **	M	Issue No.	1185 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39091_60600.jpg



Flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

Headwall on LS toe.

View of the waterside slope looking upstream. (Fall 2019)

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	97
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348626 °	37.316763 °
				-120.958828 °	-120.926304 °
DWR ID	DWR_NA0010_01_f_2019_97				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_97_20191104_00276.jpg



View of landside slope and toe looking upstream. (Fall 2019)

LM Start	0.34	Rating **	M	Issue No.	1186	
LM End	0.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.344705 °		37.344705 °
				-120.962176 °		-120.962176 °
DWR ID	19651					
Comment Code						
Inspector Comment						
DS_ID:19651 FS_ID:39092 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39092_60611.jpg



Flapgate and headwall visible off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.34	Rating **	M	Issue No.	1186 (cont)	
LM End	0.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.344705 °		37.344705 °
				-120.962176 °		-120.962176 °
DWR ID	19651					
Comment Code						
Inspector Comment						
DS_ID:19651 FS_ID:39092 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)]. FS Date: 4/8/2014						

LM Start	0.34	Rating **	M	Issue No.	1186 (cont)
LM End	0.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39092_60613.jpg



Flapgate and headwall visible off WS toe.

Photo 3 of 3 : UCIP_FA_2019_39092_60612.jpg



Pipe and headwall visible off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.41	Rating **	M	Issue No.	99
LM End	0.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.343717 °	37.338911 °
				-120.962551 °	-120.956418 °
DWR ID	DWR_NA0010_01_f_2019_99				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.60	Rating **	M	Issue No.	1187	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.341507 °		37.341507 °
				-120.961283 °		-120.961283 °
DWR ID	19583					
Comment Code						
Inspector Comment						
DS_ID:19583 FS_ID:39095 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Recommend removing vegetation pile through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.62)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39095_60622.jpg



Flapgate and headwall visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.60	Rating **	M	Issue No.	1187 (cont)	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.341507 °		37.341507 °
				-120.961283 °		-120.961283 °
DWR ID	19583					
Comment Code						
Inspector Comment						
DS_ID:19583 FS_ID:39095 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Recommend removing vegetation pile from waterward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.62)]. FS Date: 4/8/2014						

LM Start	0.60	Rating **	M	Issue No.	1187 (cont)
LM End	0.60	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39095_60623.jpg



Flapgate and headwall visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39095_60621.jpg



Pipe and headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	1188
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.339829 °	37.339829 °
				-120.958621 °	-120.958621 °
DWR ID	19584				
Comment Code					
Inspector Comment					
DS_ID:19584					
FS_ID:33524					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)].					
FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_33524_60627.jpg



Pipe, flapgate, and headwall visible on WS toe.

LM Start	0.85	Rating **	A/W	Issue No.	1188 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33524_60626.jpg



Pipe and headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	0.93	Rating **	M	Issue No.	1189 (cont)	
LM End	0.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.339598 °		37.339598 °
				-120.957202 °		-120.957202 °
DWR ID	19585					
Comment Code						
Inspector Comment						
DS_ID:19585 FS_ID:39096 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Moderate erosion around headwall on landward toe. May or may not be an issue. Need to contact owner to determine status of crossing and to address erosion issue on landward side. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.95)]. FS Date: 4/8/2014						

Photo 2 of 3 : UCIP_FA_2019_39096_60631.jpg



Concrete headwall and pipe visible at LS toe.

LM Start	0.93	Rating **	M	Issue No.	1189 (cont)
LM End	0.93	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39096_60633.jpg



Flapgate, pipe, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.15	Rating **	A/W	Issue No.	1190
LM End	1.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.338005 °	37.338005 °
				-120.953921 °	-120.953921 °
DWR ID	19586				
Comment Code					
Inspector Comment					
DS_ID:19586 FS_ID:33543 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.17)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_33543_60642.jpg



Pipe, headwall, and flapgate visible on WS toe.

LM Start	1.15	Rating **	A/W	Issue No.	1190 (cont)
LM End	1.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33543_60643.jpg



Pipe, headwall, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.15	Rating **	A/W	Issue No.	1190 (cont)	
LM End	1.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.338005 °	37.338005 °	
				-120.953921 °	-120.953921 °	
DWR ID	19586					
Comment Code						
Inspector Comment						
DS_ID:19586						
FS_ID:33543						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.17)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_33543_60641.jpg



Headwall and pipe visible on LS toe.

LM Start	1.32	Rating **	A/W	Issue No.	1191
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.337361 °	37.337361 °
				-120.950879 °	-120.950879 °
DWR ID	19587				
Comment Code					
Inspector Comment					
DS_ID:19587 FS_ID:33544 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). Pipe crosses through the levee at about a 45 degree angle to the crown. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_33544_60649.jpg



Concrete headwall and flapgate visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	1191 (cont)
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.337361 °	37.337361 °
				-120.950879 °	-120.950879 °
DWR ID	19587				
Comment Code					
Inspector Comment					
DS_ID:19587 FS_ID:33544 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). Pipe crosses through the levee at about a 45 degree angle to the crown. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)]. FS Date: 4/8/2014					

LM Start	1.32	Rating **	A/W	Issue No.	1191 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33544_60648.jpg



Concrete headwall and flapgate visible at WS toe.

Photo 3 of 3 : UCIP_FA_2019_33544_60647.jpg



Concrete headwall and pipe visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.35	Rating **	M	Issue No.	100
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337234 °	37.326972 °
				-120.950301 °	-120.930730 °
DWR ID	DWR_NA0010_01_f_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.46	Rating **	M	Issue No.	1192	
LM End	1.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.336866 °		37.336866 °
				-120.948520 °		-120.948520 °
DWR ID	19588					
Comment Code						
Inspector Comment						
DS_ID:19588						
FS_ID:39099						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Some sediment buildup inside pipe at LS toe. Recommend contacting owner to clear sediment buildup and check wall integrity through pipe section. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.48)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39099_60652.jpg



Pipe, flapgate, and concrete headwall visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.46	Rating **	M	Issue No.	1192 (cont)	
LM End	1.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.336866 °		37.336866 °
				-120.948520 °		-120.948520 °
DWR ID	19588					
Comment Code						
Inspector Comment						
DS_ID:19588						
FS_ID:39099						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Some sediment buildup inside pipe at LS toe. Recommend contacting owner to clear sediment buildup and check wall integrity through pipe section. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.48)].						
FS Date: 4/8/2014						

Photo 2 of 3 : UCIP_FA_2019_39099_60653.jpg



Pipe, flapgate, and concrete headwall visible on WS toe.

LM Start	1.46	Rating **	M	Issue No.	1192 (cont)
LM End	1.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39099_60651.jpg



Pipe and concrete headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.67	Rating **	M	Issue No.	1193
LM End	1.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.336459 °	37.336459 °
				-120.944803 °	-120.944803 °
DWR ID	19589				
Comment Code					
Inspector Comment					
DS_ID:19589 FS_ID:33563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Heavy sediment buildup in pipe at LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.69)]. FS Date: 4/8/2014					

LM Start	1.67	Rating **	M	Issue No.	1193 (cont)
LM End	1.67	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_33563_60661.jpg



Pipe, headwall, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_33563_60663.jpg



Pipe, headwall, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.67	Rating **	M	Issue No.	1193 (cont)
LM End	1.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.336459 °	37.336459 °
				-120.944803 °	-120.944803 °
DWR ID	19589				
Comment Code					
Inspector Comment					
DS_ID:19589 FS_ID:33563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Heavy sediment buildup in pipe at LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.69)]. FS Date: 4/8/2014					

Photo 3 of 3 : UCIP_FA_2019_33563_60662.jpg



Pipe and headwall visible on LS toe.

LM Start	1.81	Rating **	A/W	Issue No.	1194	
LM End	1.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.335612 °		37.335612 °
				-120.942532 °		-120.942532 °
DWR ID	19590					
Comment Code						
Inspector Comment						
DS_ID:19590						
FS_ID:33564						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.83)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_33564_60666.jpg



Pipe, flapgate, and headwall visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.81	Rating **	A/W	Issue No.	1194 (cont)	
LM End	1.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.335612 °	37.335612 °	
				-120.942532 °	-120.942532 °	
DWR ID	19590					
Comment Code						
Inspector Comment						
DS_ID:19590 FS_ID:33564 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.83)]. FS Date: 4/8/2014						

Photo 2 of 3 : UCIP_FA_2019_33564_60667.jpg



Pipe, flapgate, and headwall visible at WS toe.

LM Start	1.81	Rating **	A/W	Issue No.	1194 (cont)
LM End	1.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33564_60665.jpg



Pipe and concrete headwall visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.95	Rating **	M	Issue No.	1195	
LM End	1.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.334377 °		37.334377 °
				-120.940397 °		-120.940397 °
DWR ID	19591					
Comment Code						
Inspector Comment						
DS_ID:19591						
FS_ID:39100						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.98)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39100_60670.jpg



Concrete headwall and flapgate on WS toe.

LM Start	1.95	Rating **	M	Issue No.	1195 (cont)
LM End	1.95	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39100_60672.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	1.95	Rating **	M	Issue No.	1195 (cont)	
LM End	1.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.334377 °		37.334377 °
				-120.940397 °		-120.940397 °
DWR ID	19591					
Comment Code						
Inspector Comment						
DS_ID:19591 FS_ID:39100 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.98)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39100_60671.jpg



Wooded barrier around drop-inlet on LS toe.

LM Start	2.06	Rating **	M	Issue No.	1196	
LM End	2.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.333653 °		37.333653 °
				-120.938770 °		-120.938770 °
DWR ID	19570					
Comment Code						
Inspector Comment						
DS_ID:19570 FS_ID:39123 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.08)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39123_60675.jpg



Pipe and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.06	Rating **	M	Issue No.	1196 (cont)	
LM End	2.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.333653 °	37.333653 °	
				-120.938770 °	-120.938770 °	
DWR ID	19570					
Comment Code						
Inspector Comment						
DS_ID:19570						
FS_ID:39123						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Unable to find inlet on landward toe.						
Recommend clearing vegetation on landward side to properly inspect inlet. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.08)].						
FS Date: 4/8/2014						

Photo 2 of 3 : UCIP_FA_2019_39123_60676.jpg



Pipe and flapgate visible on WS toe.

LM Start	2.06	Rating **	M	Issue No.	1196 (cont)
LM End	2.06	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39123_60674.jpg



Wooded barrier around drop-inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.20	Rating **	N	Issue No.	110
LM End	2.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.331820 °	37.331820 °
				-120.937605 °	-120.937605 °
DWR ID	DWR_NA0010_01_f_2018_110				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree stump on landside slope should be removed.					

LM Start	2.20	Rating **	N	Issue No.	110 (cont)
LM End	2.20	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_NA0010_118_110_20190912_00020.jpg



View of tree stump on landside slope. (Fall 2018)

Photo 2 of 2 : FA_2019_NA0010_118_110_20190912_00021.jpg



View of tree stump on landside slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.22	Rating **	A/W	Issue No.	1197	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.331611 °		37.331611 °
				-120.937455 °		-120.937455 °
DWR ID	19571					
Comment Code						
Inspector Comment						
DS_ID:19571						
FS_ID:39125						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.25)].						
FS Date: 4/8/2014						

LM Start	2.22	Rating **	A/W	Issue No.	1197 (cont)
LM End	2.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39125_71309.jpg



Pipe and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39125_71308.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.22	Rating **	A/W	Issue No.	1197 (cont)	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.331611 °		37.331611 °
				-120.937455 °		-120.937455 °
DWR ID	19571					
Comment Code						
Inspector Comment						
DS_ID:19571 FS_ID:39125 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.25)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39125_71307.jpg



Pipe and headwall on LS toe.

LM Start	2.50	Rating **	A/W	Issue No.	1198
LM End	2.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.328619 °	37.328619 °
				-120.934369 °	-120.934369 °
DWR ID	19572				
Comment Code					
Inspector Comment					
DS_ID:19572 FS_ID:33568 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.52)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_33568_60679.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.50	Rating **	A/W	Issue No.	1198 (cont)	
LM End	2.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.328619 °	37.328619 °	
				-120.934369 °	-120.934369 °	
DWR ID	19572					
Comment Code						
Inspector Comment						
DS_ID:19572						
FS_ID:33568						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.52)].						
FS Date: 4/8/2014						

Photo 2 of 3 : UCIP_FA_2019_33568_60680.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	2.50	Rating **	A/W	Issue No.	1198 (cont)
LM End	2.50	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33568_60678.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.58	Rating **	A/W	Issue No.	113
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.327936 °	37.327936 °
				-120.933013 °	-120.933013 °
DWR ID	DWR_NA0010_01_f_2018_113				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is damage caused by vehicle traffic over the levee.					

Photo 1 of 1 : FA_2019_NA0010_118_113_20190912_00023.jpg



Slope damage by vehicle traffic. (Fall 2018)

LM Start	2.67	Rating **	M	Issue No.	1199
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.327362 °	37.327362 °
				-120.931591 °	-120.931591 °
DWR ID	19573				
Comment Code					
Inspector Comment					
DS_ID:19573 FS_ID:39127 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Sedimentation in pipe at landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_39127_60688.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.67	Rating **	M	Issue No.	1199 (cont)	
LM End	2.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.327362 °		37.327362 °
				-120.931591 °		-120.931591 °
DWR ID	19573					
Comment Code						
Inspector Comment						
DS_ID:19573 FS_ID:39127 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Sedimentation in pipe at landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)]. FS Date: 4/8/2014						

LM Start	2.67	Rating **	M	Issue No.	1199 (cont)
LM End	2.67	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39127_60689.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39127_60687.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	2.73	Rating **	U	Issue No.	101
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.326972 °	37.319479 °
				-120.930730 °	-120.928075 °
DWR ID	DWR_NA0010_01_f_2019_101				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_101_20191104_00277.jpg



View of waterside slope looking upstream. (Fall 2019)

LM Start	2.99	Rating **	M	Issue No.	114
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.323328 °	37.323328 °
				-120.929521 °	-120.929521 °
DWR ID	DWR_NA0010_01_f_2018_114				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by livestock.					

Photo 1 of 1 : FA_2019_NA0010_118_114_20190912_00024.jpg



View of slope damage caused by livestock. (Fall 2018)

LM Start	3.06	Rating **	M	Issue No.	104
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.322499 °	37.322499 °
				-120.928986 °	-120.928986 °
DWR ID	DWR_NA0010_01_f_2017_104				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by foot traffic.					

Photo 1 of 1 : FA_2019_NA0010_118_104_20190912_00018.jpg



Looking northeast at the landside slope. (Fall 2017)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain


+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

Photo 1 of 2 : FA_2019_NA0010_118_115_20190912_00025.jpg



View of erosion path looking downstream. (Fall 2018)

Photo 2 of 2 : FA_2019_NA0010_118_115_20190912_00026.jpg



A photograph showing a view of an erosion path looking down a landside slope. The foreground is a light-colored, eroded surface with a dark shadow of the person taking the photo on the left. The background shows a grassy slope with some dry vegetation and a small, dark, rocky area on the right. A date stamp "10-02-2019" is visible in the bottom right corner of the photo.

View of erosion path looking down landside slope. (Fall 2018)

Photo 1 of 1 : FA_2019_NA0010_118_108_20190912_00019.jpg



Looking west at slope damage caused by animal traffic.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.13	Rating **	M	Issue No.	1200
LM End	3.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.321444 °	37.321444 °
				-120.928764 °	-120.928764 °
DWR ID	19574				
Comment Code					
Inspector Comment					
DS_ID:19574 FS_ID:39128 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Some minor erosion around headwall on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.16)]. FS Date: 4/8/2014					

LM Start	3.13	Rating **	M	Issue No.	1200 (cont)
LM End	3.13	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39128_60702.jpg



Pipe, Flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39128_60700.jpg



Pipe, Flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.13	Rating **	M	Issue No.	1200 (cont)	
LM End	3.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.321444 °	37.321444 °	
				-120.928764 °	-120.928764 °	
DWR ID	19574					
Comment Code						
Inspector Comment						
DS_ID:19574 FS_ID:39128 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Some minor erosion around headwall on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.16)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39128_60701.jpg



Pipe and headwall on LS toe.

LM Start	3.16	Rating **	M	Issue No.	10
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.321053 °	37.321053 °
				-120.928785 °	-120.928785 °
DWR ID	DWR_NA0010_01_s_2012_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted within this section. Rodent hole noted on landside shoulder next to fence pole.					

Photo 1 of 2 : FA_2019_NA0010_118_10_20190912_00009.jpg



Looking at typical view of rodent holes on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.16	Rating **	M	Issue No.	10 (cont)	
LM End	3.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.321053 °	37.321053 °	
				-120.928785 °	-120.928785 °	
DWR ID	DWR_NA0010_01_s_2012_10					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Several rodent holes noted within this section. Rodent hole noted on landside shoulder next to fence pole.						

Photo 2 of 2 : FA_2019_NA0010_118_10_20190912_00010.jpg



Looking at rodent hole next to fence pole on landward shoulder.

LM Start	3.18	Rating **	M	Issue No.	116
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.320725 °	37.320725 °
				-120.928837 °	-120.928837 °
DWR ID	DWR_NA0010_01_f_2018_116				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted in this section.					

Photo 1 of 2 : FA_2019_NA0010_118_116_20190912_00027.jpg



View of landside slope with rodent holes. (Fall 2018)

LM Start	3.18	Rating **	M	Issue No.	116 (cont)
LM End	3.18	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_118_116_20190912_00028.jpg



Representative view of rodent holes in this section. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.23	Rating **	M	Issue No.	117
LM End	3.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.320029 °	37.311311 °
				-120.928556 °	-120.927310 °
DWR ID	DWR_NA0010_01_f_2018_117				
Comment Code					
DT : Ditch					
Inspector Comment					
Earthen ditch along landside toe.					

Photo 1 of 1 : FA_2019_NA0010_118_117_20190912_00029.jpg



Earthen ditch along landside toe. (Fall 2018)

LM Start	3.29	Rating **	M	Issue No.	103
LM End	6.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.319324 °	37.304897 °
				-120.927930 °	-120.896655 °
DWR ID	DWR_NA0010_01_f_2019_103				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	1201
LM End	3.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.317116 °	37.317116 °
				-120.926451 °	-120.926451 °
DWR ID	19575				

Comment Code

Inspector Comment

DS_ID:19575

FS_ID:53188

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 11/01/2018 Pipe continues to rust through, causing the pipe to collapse on the LS. Sediment buildup visible from the LS inlet. Loss of soil just above the LS concrete headwall and along the LS slope. Crossing remains Urgent due to the levee slope issues and pipe failure through the levee. (O. Magana - DWR UCIP)07/19/2016 Same as previous inspection. Erosion present on LS slope. (DWR UCIP - O. Magana)04/08/2014 Pipe rusted through at Springline on LS toe. Flapgate blocked by sediment on WS toe. Heavy sediment on both ends of pipe. Need to contact owner to address issues. (DWR UCIP - W. Wylie)

FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.50)].

FS Date: 11/1/2018 12:49:00 PM

LM Start	3.47	Rating **	U	Issue No.	1201 (cont)
LM End	3.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53188_60707.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_53188_60706.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	1201 (cont)
LM End	3.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.317116 °	37.317116 °
				-120.926451 °	-120.926451 °
DWR ID	19575				
Comment Code					
Inspector Comment					
DS_ID:19575 FS_ID:53188 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Pipe continues to rust through, causing the pipe to collapse on the LS. Sediment buildup visible from the LS inlet. Loss of soil just above the LS concrete headwall and along the LS slope. Crossing remains Urgent due to the levee slope issues and pipe failure through the levee. (O. Magana - DWR UCIP)07/19/2016 Same as previous inspection. Erosion present on LS slope. (DWR UCIP - O. Magana)04/08/2014 Pipe rusted through at Springline on LS toe. Flapgate blocked by sediment on WS toe. Heavy sediment on both ends of pipe. Need to contact owner to address issues. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.50)]. FS Date: 11/1/2018 12:49:00 PM					

Photo 3 of 3 : UCIP_FA_2019_53188_60705.jpg



Pipe and headwall on LS toe.

LM Start	3.49	Rating **	M	Issue No.	106
LM End	5.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.316763°	37.303587°
				-120.926304°	-120.903919°
DWR ID	DWR_NA0010_01_f_2019_106				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.87	Rating **	U	Issue No.	2
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.311798 °	37.311341 °
				-120.927670 °	-120.927365 °
DWR ID	DWR_NA0010_01_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows are along this section of the levee.					

LM Start	3.87	Rating **	U	Issue No.	2 (cont)
LM End	3.90	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_NA0010_118_2_20191104_00278.jpg



View of rodent burrows in this section looking downstream. (Fall 2019)

Photo 2 of 2 : FA_2019_NA0010_118_2_20191104_00279.jpg



View of rodent burrows in this section looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.92	Rating **	M	Issue No.	1202
LM End	3.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.311178°	37.311178°
				-120.927007°	-120.927007°
DWR ID	19576				
Comment Code					
Inspector Comment					
DS_ID:19576 FS_ID:39132 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Slide gate missing from WS. No closure device, but degrading of levee at Highway 140 is lower than pipe, so this does not appear to be a critical issue. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 3.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.95)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_39132_60723.jpg



Slide gate missing on WS toe with heavy vegetation camouflaging pipe

LM Start	3.92	Rating **	M	Issue No.	1202 (cont)
LM End	3.92	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39132_60720.jpg



Slide gate missing on WS toe with heavy vegetation camouflaging pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.92	Rating **	M	Issue No.	1202 (cont)
LM End	3.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.311178°	37.311178°
				-120.927007°	-120.927007°
DWR ID	19576				
Comment Code					
Inspector Comment					
DS_ID:19576 FS_ID:39132 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Slide gate missing from WS. No closure device, but degrading of levee at Highway 140 is lower than pipe, so this does not appear to be a critical issue. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 3.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.95)]. FS Date: 4/8/2014					

Photo 3 of 3 : UCIP_FA_2019_39132_60722.jpg



Concrete headwall in heavy vegetation at LS toe.

LM Start	3.93	Rating **	M	Issue No.	1203	
LM End	3.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.311157°	37.311157°	
				-120.926919°	-120.926919°	
DWR ID	19606					
Comment Code						
Inspector Comment						
DS_ID:19606 FS_ID:39133 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/08/2014 Need to contact owner to determine status of crossing inlet and outlet not found. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 12-inch reinforced concrete irrigation discharge pipe through the levee, 3.5 feet below the crown. 12-inch concrete standpipe off each side of the levee. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 1 of 2 : UCIP_FA_2019_39133_60725.jpg



12-inch concrete standpipe off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.93	Rating **	M	Issue No.	1203 (cont)	
LM End	3.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.311157°	37.311157°	
				-120.926919°	-120.926919°	
DWR ID	19606					
Comment Code						
Inspector Comment						
DS_ID:19606 FS_ID:39133 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/08/2014 Need to contact owner to determine status of crossing inlet and outlet not found. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 12-inch reinforced concrete irrigation discharge pipe through the levee, 3.5 feet below the crown. 12-inch concrete standpipe off each side of the levee. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 2 of 2 : UCIP_FA_2019_39133_60724.jpg



12-inch concrete standpipe off LS toe.

LM Start	3.98	Rating **	U	Issue No.	5
LM End	4.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.310837°	37.310003°
				-120.926182°	-120.925313°
DWR ID	DWR_NA0010_01_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					
Irrigation ditch at landside toe.					

Photo 1 of 2 : FA_2019_NA0010_118_5_20190912_00001.jpg



Looking north at irrigation ditch at landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	3.98	Rating **	U	Issue No.	5 (cont)	
LM End	4.05	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.310837°	37.310003°	
				-120.926182°	-120.925313°	
DWR ID	DWR_NA0010_01_s_2012_5					
Comment Code						
DT : Ditch						
Inspector Comment						
Irrigation ditch at landside toe.						

Photo 2 of 2 : FA_2019_NA0010_118_5_20190912_00002.jpg



Looking south at irrigation ditch at landside toe.

LM Start	4.12	Rating **	U	Issue No.	118
LM End	4.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.309225 °	37.308817 °
				-120.924589 °	-120.924247 °
DWR ID	DWR_NA0010_01_f_2018_118				
Comment Code					
FE : Fence					
Inspector Comment					
Fence along landside toe.					

Photo 1 of 1 : FA_2019_NA0010_118_118_20190912_00030.jpg



View of fence along landside toe. (Fall 2018)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1204
LM End	4.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.309080 °	37.309080 °
				-120.924442 °	-120.924442 °
DWR ID	19607				
Comment Code					
Inspector Comment					
DS_ID:19607 FS_ID:39134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Pipe appears sleeved with a 12-inch steel pipe with a slide gate at the LS toe. No identified authorization for changes to this crossing. Need to contact owner to obtain additional information about the modifications to crossing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.16)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_39134_60730.jpg



Concrete headwall and 48-inch flapgate visible on WS toe.

LM Start	4.13	Rating **	M	Issue No.	1204 (cont)
LM End	4.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39134_60731.jpg



Assumed pipe exists under pump at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1204 (cont)	
LM End	4.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.309080 °		37.309080 °
				-120.924442 °		-120.924442 °
DWR ID	19607					
Comment Code						
Inspector Comment						
DS_ID:19607						
FS_ID:39134						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Pipe appears sleeved with a 12-inch steel pipe with a slide gate at the LS toe. No identified authorization for changes to this crossing. Need to contact owner to obtain additional information about the modifications to crossing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.16)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39134_60729.jpg



Concrete inlet, slidegate, and concrete headwall at LS toe.

LM Start	4.13	Rating **	M	Issue No.	1205
LM End	4.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.309063 °	37.309063 °
				-120.924449 °	-120.924449 °
DWR ID	24866				
Comment Code					
Inspector Comment					
DS_ID:24866 FS_ID:39138 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Need to contact owner to get details of crossing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. 12-inch steel pipe, vent, and pump on stand visible on the landside (LS) slope. 10-inch polyvinyl chloride (PVC) pipe visible on the waterside (WS) slope. FS Date: 4/8/2014					

Photo 1 of 2 : UCIP_FA_2019_39138_71320.jpg



View of pipe visible on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1205 (cont)	
LM End	4.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.309063 °	37.309063 °	
				-120.924449 °	-120.924449 °	
DWR ID	24866					
Comment Code						
Inspector Comment						
DS_ID:24866						
FS_ID:39138						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Need to contact owner to get details of crossing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. 12-inch steel pipe, vent, and pump on stand visible on the landside (LS) slope. 10-inch polyvinyl chloride (PVC) pipe visible on the waterside (WS) slope.						
FS Date: 4/8/2014						

Photo 2 of 2 : UCIP_FA_2019_39138_71319.jpg



Pipe through existing 48 inch pipe.

LM Start	4.18	Rating **	M	Issue No.	105	
LM End	4.18	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.308458 °		37.308458 °
				-120.923942 °		-120.923942 °
DWR ID	DWR_NA0010_01_f_2017_105					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
There are several rodent holes noted at this location.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	1206	
LM End	4.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.307930 °	37.307930 °	
				-120.923057 °	-120.923057 °	
DWR ID	19608					
Comment Code						
Inspector Comment						
DS_ID:19608 FS_ID:39140 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation and fence limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward side. Recommend obtaining access to landward toe and removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/8/2014						

LM Start	4.25	Rating **	M	Issue No.	1206 (cont)
LM End	4.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39140_60733.jpg



Pipe, flapgate, and headwall visible at WS toe.

Photo 2 of 3 : UCIP_FA_2019_39140_60732.jpg



Pipe, flapgate, and headwall visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	1206 (cont)
LM End	4.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID	19608				
Comment Code					
Inspector Comment					
DS_ID:19608 FS_ID:39140 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation and fence limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward side. Recommend obtaining access to landward toe and removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/8/2014					

Photo 3 of 3 : UCIP_FA_2019_39140_60734.jpg



Concrete headwall at LS toe.

LM Start	4.26	Rating **	M	Issue No.	102
LM End	4.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.307826 °	37.307826 °
				-120.922735 °	-120.922735 °
DWR ID	DWR_NA0010_01_s_2019_102				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.69	Rating **	M	Issue No.	1207	
LM End	4.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.302408 °	37.302408 °	
				-120.920931 °	-120.920931 °	
DWR ID	19609					
Comment Code						
Inspector Comment						
DS_ID:19609						
FS_ID:39141						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.72)].						
FS Date: 4/8/2014						

LM Start	4.69	Rating **	M	Issue No.	1207 (cont)
LM End	4.69	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39141_60737.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39141_60738.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.69	Rating **	M	Issue No.	1207 (cont)
LM End	4.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.302408 °	37.302408 °
				-120.920931 °	-120.920931 °
DWR ID	19609				
Comment Code					
Inspector Comment					
DS_ID:19609					
FS_ID:39141					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.72)].					
FS Date: 4/8/2014					

Photo 3 of 3 : UCIP_FA_2019_39141_60736.jpg



Pipe and concrete headwall on LS toe.

LM Start	4.69	Rating **	M	Issue No.	9
LM End	4.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.302398°	37.302398°
				-120.920920°	-120.920920°
DWR ID	DWR_NA0010_01_s_ 2013_9				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee landside toe damaged by livestock.					

Photo 1 of 3 : FA_2019_NA0010_118_9_20191104_00280.jpg



View of landside slope damage from livestock. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	4.69	Rating **	M	Issue No.	9 (cont)	
LM End	4.69	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.302398 °		37.302398 °
				-120.920920 °		-120.920920 °
DWR ID	DWR_NA0010_01_s_2013_9					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Levee landside toe damaged by livestock.						

Photo 2 of 3 : FA_2019_NA0010_118_9_20190912_00006.jpg



Looking south at fill poorly placed on landward slope and toe. (Spring 2018)

LM Start	4.69	Rating **	M	Issue No.	9 (cont)
LM End	4.69	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2019_NA0010_118_9_20190912_00008.jpg



Looking at landward slope damaged by livestock.

LM Start	4.97	Rating **	M	Issue No.	107
LM End	5.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.299279 °	37.300396 °
				-120.917988 °	-120.912625 °
DWR ID	DWR_NA0010_01_s_2019_107				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	5.02	Rating **	M	Issue No.	1208	
LM End	5.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.298917 °	37.298917 °	
				-120.917262 °	-120.917262 °	
DWR ID	19610					
Comment Code						
Inspector Comment						
DS_ID:19610 FS_ID:39143 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Non-functional -- sediment buildup against flapgate and inlet buried at landward side. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.05)]. FS Date: 4/8/2014						

Photo 1 of 2 : UCIP_FA_2019_39143_60740.jpg



Flapgate and headwall visible at WS toe.

LM Start	5.02	Rating **	M	Issue No.	1208 (cont)
LM End	5.02	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_39143_60739.jpg



Flapgate and headwall visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	5.92	Rating **	U	Issue No.	109
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.303603 °	37.302855 °
				-120.903722 °	-120.889918 °
DWR ID	DWR_NA0010_01_f_2019_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_109_20191104_00281.jpg



Looking upstream along the landside slope. (Fall 2019)

LM Start	5.92	Rating **	M	Issue No.	1209	
LM End	5.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.303612 °	37.303612 °	
				-120.903704 °	-120.903704 °	
DWR ID	19611					
Comment Code						
Inspector Comment						
DS_ID:19611 FS_ID:39151 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Landward side filled in with soil. Need to contact owner. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.95)]. FS Date: 4/8/2014						

Photo 1 of 2 : UCIP_FA_2019_39151_60742.jpg



Pipe, concrete headwall, and flapgate visible on WS toe.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	5.92	Rating **	M	Issue No.	1209 (cont)	
LM End	5.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.303612 °	37.303612 °	
				-120.903704 °	-120.903704 °	
DWR ID	19611					
Comment Code						
Inspector Comment						
DS_ID:19611 FS_ID:39151 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Landward side filled in with soil. Need to contact owner. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.95)]. FS Date: 4/8/2014						

Photo 2 of 2 : UCIP_FA_2019_39151_60741.jpg



Top of concrete headwall just visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.10	Rating **	M	Issue No.	1210
LM End	6.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.304232 °	37.304232 °
				-120.900706 °	-120.900706 °
DWR ID	19612				
Comment Code					
Inspector Comment					
DS_ID:19612 FS_ID:39152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Pipe completely blocked by soil on LS toe due to animal activity. Slide gate blocked open. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 13.1 feet below the crown. Walkway to slide gate at the concrete headwall on the landside (LS) toe. Flap gate at the concrete headwall on the waterside (WS) toe. Brass cap No. 90 bench mark (BM) on the headwall on the LS. Pipe crosses the levee at an angle. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.13)]. FS Date: 4/8/2014					

LM Start	6.10	Rating **	M	Issue No.	1210 (cont)
LM End	6.10	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39152_60745.jpg



Slidegate at LS toe.

Photo 2 of 3 : UCIP_FA_2019_39152_60744.jpg



Pipe, concrete headwall, slidegate, and metal walkway on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.10	Rating **	M	Issue No.	1210 (cont)	
LM End	6.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.304232°	37.304232°	
				-120.900706°	-120.900706°	
DWR ID	19612					
Comment Code						
Inspector Comment						
DS_ID:19612 FS_ID:39152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Pipe completely blocked by soil on LS toe due to animal activity. Slide gate blocked open. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 13.1 feet below the crown. Walkway to slide gate at the concrete headwall on the landside (LS) toe. Flap gate at the concrete headwall on the waterside (WS) toe. Brass cap No. 90 bench mark (BM) on the headwall on the LS. Pipe crosses the levee at an angle. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.13)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39152_60743.jpg



Flapgate on concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.39	Rating **	M	Issue No.	1211	
LM End	6.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.304459 °	37.304459 °	
				-120.895863 °	-120.895863 °	
DWR ID	19613					
Comment Code						
Inspector Comment						
DS_ID:19613 FS_ID:39154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end next to a 48-inch concrete riser with walkway over the top. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.40)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39154_60762.jpg



Pipe, flapgate, and concrete headwall on WS toe.

LM Start	6.39	Rating **	M	Issue No.	1211 (cont)
LM End	6.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39154_60760.jpg



Pipe, flapgate, and concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.39	Rating **	M	Issue No.	1211 (cont)	
LM End	6.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.304459 °	37.304459 °	
				-120.895863 °	-120.895863 °	
DWR ID	19613					
Comment Code						
Inspector Comment						
DS_ID:19613 FS_ID:39154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end next to a 48-inch concrete riser with walkway over the top. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.40)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39154_60761.jpg



Metal walkway over concrete standpipe next to slide gate on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.61	Rating **	M	Issue No.	1212	
LM End	6.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.303815°	37.303815°	
				-120.891955°	-120.891955°	
DWR ID	19614					
Comment Code						
Inspector Comment						
DS_ID:19614 FS_ID:49962 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Same as previous inspection. Outlet and inlet are under water. (DWR UCIP - O. Magana)4/08/2014 Flapgate blocked by sedimentation at WS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also recommend clearing vegetation from both waterward and landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Wooden fence around a 4-foot by 4-foot drop inlet on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.64)]. FS Date: 7/19/2016						

LM Start	6.61	Rating **	M	Issue No.	1212 (cont)
LM End	6.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_49962_60764.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_49962_60766.jpg



Pipe and flapgate visible at WS toe. Flapgate blocked by sedimentation on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.61	Rating **	M	Issue No.	1212 (cont)	
LM End	6.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.303815 °	37.303815 °	
				-120.891955 °	-120.891955 °	
DWR ID	19614					
Comment Code						
Inspector Comment						
DS_ID:19614 FS_ID:49962 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Same as previous inspection. Outlet and inlet are under water. (DWR UCIP - O. Magana)4/08/2014 Flapgate blocked by sedimentation at WS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also recommend clearing vegetation from both waterward and landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Wooden fence around a 4-foot by 4-foot drop inlet on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.64)]. FS Date: 7/19/2016						

Photo 3 of 3 : UCIP_FA_2019_49962_60765.jpg



Wooden barrier around drop inlet on LS toe. Excess vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.86	Rating **	M	Issue No.	1213	
LM End	6.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.302098 °	37.302098 °	
				-120.887943 °	-120.887943 °	
DWR ID	19615					
Comment Code						
Inspector Comment						
DS_ID:19615 FS_ID:50077 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (DWR UCIP - O. Magana)4/08/2014 Slide gate blocked by debris at LS toe. Flapgate won't close because of debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Slide gate on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.90)]. FS Date: 7/19/2016						

LM Start	6.86	Rating **	M	Issue No.	1213 (cont)
LM End	6.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_50077_60768.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_50077_60767.jpg



Pipe, concrete headwall, and slidegate on LS toe. Debris blocking closure of slidegate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

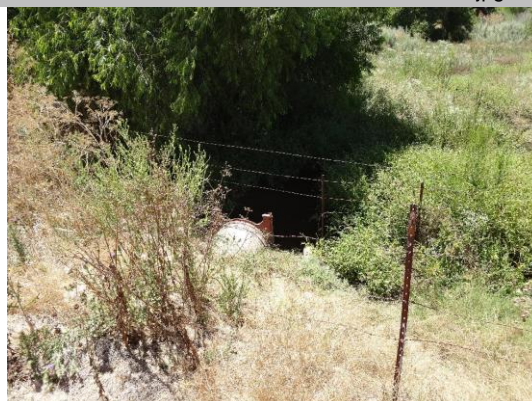
Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	6.86	Rating **	M	Issue No.	1213 (cont)	
LM End	6.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.302098 °	37.302098 °	
				-120.887943 °	-120.887943 °	
DWR ID	19615					
Comment Code						
Inspector Comment						
DS_ID:19615 FS_ID:50077 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (DWR UCIP - O. Magana)4/08/2014 Slide gate blocked by debris at LS toe. Flapgate won't close because of debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Slide gate on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.90)]. FS Date: 7/19/2016						

Photo 3 of 3 : UCIP_FA_2019_50077_75470.jpg



View of WS--fence limits access to flap gate.

LM Start	6.92	Rating **	M	Issue No.	111
LM End	9.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.301657 °	37.297506 °
				-120.886954 °	-120.850744 °
DWR ID	DWR_NA0010_01_f_2019_111				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	1214
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID	19616				
Comment Code					
Inspector Comment					
DS_ID:19616 FS_ID:53412 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Pipe continues to corrode through. Voids (undermining) along pipe invert are visible from the LS. Potential undermining caused by erosion under concrete apron on the WS. Crossing remains Urgent due to the pipe failure. (O. Magana - DWR UCIP)04/08/2014 Pipe failing and corroded through at LS toe. Need to contact owner to determine status of crossing. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.21)]. FS Date: 11/1/2018 1:02:00 PM					

Photo 1 of 3 : UCIP_FA_2019_53412_60770.jpg



Pipe, concrete headwall, and flapgate on WS toe.

LM Start	7.18	Rating **	U	Issue No.	1214 (cont)
LM End	7.18	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53412_60772.jpg



Flapgate and concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	1214 (cont)	
LM End	7.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.300055 °	37.300055 °	
				-120.882939 °	-120.882939 °	
DWR ID	19616					
Comment Code						
Inspector Comment						
DS_ID:19616 FS_ID:53412 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Pipe continues to corrode through. Voids (undermining) along pipe invert are visible from the LS. Potential undermining caused by erosion under concrete apron on the WS. Crossing remains Urgent due to the pipe failure. (O. Magana - DWR UCIP)04/08/2014 Pipe failing and corroded through at LS toe. Need to contact owner to determine status of crossing. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.21)]. FS Date: 11/1/2018 1:02:00 PM						

Photo 3 of 3 : UCIP_FA_2019_53412_60771.jpg



Pipe and Concrete headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.29	Rating **	M	Issue No.	1215
LM End	7.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.299931 °	37.299931 °
				-120.880947 °	-120.880947 °
DWR ID	19617				

Comment Code

Inspector Comment

DS_ID:19617
FS_ID:39160
EP_NO: 4425
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 04/08/2014 Recommend contacting owner to determine status of crossing. No pump was found on waterward side (riverbank). If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - W. Wylie)
FIELD_STRUCT_DESC: 24-inch concrete encased steel irrigation discharge pipe through the levee, 13.6 feet below the crown. Pipe encased in 6-inches of concrete through the levee. 5-foot by 7-foot concrete distribution box on the waterside (WS). 20-inch concrete standpipe at the landside (LS) toe. Pump on the riverbank, accessible by walkway platform, pump not found. Concrete cutoff walls around pipe in line with the levee shoulders. Pipe extends to 36-inch concrete pipes on both sides of the levee. (Plans to install an irrigation pipeline through the levee authorized under Permit No. 4425, 1964 - James J. Stevinson, a Corporation). [Additional Reference(s): DWR Levee Log, 2002].
FS Date: 4/8/2014

LM Start	7.29	Rating **	M	Issue No.	1215 (cont)
LM End	7.29	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_39160_60776.jpg



Pipe visible under water in concrete box riser on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39160_60775.jpg



5'X7' concrete box riser on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.29	Rating **	M	Issue No.	1215 (cont)	
LM End	7.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.299931 °	37.299931 °	
				-120.880947 °	-120.880947 °	
DWR ID	19617					
Comment Code						
Inspector Comment						
DS_ID:19617 FS_ID:39160 EP_NO: 4425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Recommend contacting owner to determine status of crossing. No pump was found on waterward side (riverbank). If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch concrete encased steel irrigation discharge pipe through the levee, 13.6 feet below the crown. Pipe encased in 6-inches of concrete through the levee. 5-foot by 7-foot concrete distribution box on the waterside (WS). 20-inch concrete standpipe at the landside (LS) toe. Pump on the riverbank, accessible by walkway platform, pump not found. Concrete cutoff walls around pipe in line with the levee shoulders. Pipe extends to 36-inch concrete pipes on both sides of the levee. (Plans to install an irrigation pipeline through the levee authorized under Permit No. 4425, 1964 - James J. Stevinson, a Corporation). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39160_60774.jpg



20-inch concrete standpipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.42	Rating **	M	Issue No.	1216	
LM End	7.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.299817 °	37.299817 °	
				-120.878519 °	-120.878519 °	
DWR ID	19618					
Comment Code						
Inspector Comment						
DS_ID:19618 FS_ID:39161 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.46)]. FS Date: 4/8/2014						

LM Start	7.42	Rating **	M	Issue No.	1216 (cont)
LM End	7.42	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39161_60778.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39161_60780.jpg



Pipe and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.42	Rating **	M	Issue No.	1216 (cont)	
LM End	7.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.299817 °	37.299817 °	
				-120.878519 °	-120.878519 °	
DWR ID	19618					
Comment Code						
Inspector Comment						
DS_ID:19618						
FS_ID:39161						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.46)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_39161_60779.jpg



Concrete headwall and pipe visible off LS toe in heavy vegetation.

LM Start	7.65	Rating **	M	Issue No.	1217	
LM End	7.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.299211 °		37.299211 °
				-120.874415 °		-120.874415 °
DWR ID	19619					
Comment Code						
Inspector Comment						
DS_ID:19619 FS_ID:39243 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.69)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_39243_60842.jpg



Flapgate and headwall at WS toe. Heavy vegetation on slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	7.65	Rating **	M	Issue No.	1217 (cont)	
LM End	7.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.299211 °	37.299211 °	
				-120.874415 °	-120.874415 °	
DWR ID	19619					
Comment Code						
Inspector Comment						
DS_ID:19619 FS_ID:39243 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.69)]. FS Date: 4/8/2014						

LM Start	7.65	Rating **	M	Issue No.	1217 (cont)
LM End	7.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39243_60840.jpg



Flapgate and headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39243_60841.jpg



Concrete headwall at LS toe. Heavy vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.03	Rating **	M	Issue No.	1218	
LM End	8.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.298711 °		37.298711 °
				-120.867756 °		-120.867756 °
DWR ID	19620					
Comment Code						
Inspector Comment						
DS_ID:19620 FS_ID:39244 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.07)]. FS Date: 4/9/2014						

Photo 1 of 3 : UCIP_FA_2019_39244_60844.jpg



Pipe, Headwall, and flapgate at WS toe.

LM Start	8.03	Rating **	M	Issue No.	1218 (cont)
LM End	8.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39244_60847.jpg



Pipe, Headwall, and flapgate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.03	Rating **	M	Issue No.	1218 (cont)	
LM End	8.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.298711 °		37.298711 °
				-120.867756 °		-120.867756 °
DWR ID	19620					
Comment Code						
Inspector Comment						
DS_ID:19620 FS_ID:39244 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.07)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39244_60846.jpg



Pipe and concrete headwall on LS toe.

LM Start	8.17	Rating **	M	Issue No.	119
LM End	9.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297868 °	37.297505 °
				-120.865413 °	-120.850738 °
DWR ID	DWR_NA0010_01_f_2019_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.38	Rating **	M	Issue No.	1219	
LM End	8.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.296637 °	37.296637 °	
				-120.861994 °	-120.861994 °	
DWR ID	19621					
Comment Code						
Inspector Comment						
DS_ID:19621						
FS_ID:39245						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.41)].						
FS Date: 4/9/2014						

LM Start	8.38	Rating **	M	Issue No.	1219 (cont)
LM End	8.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39245_60850.jpg



Concrete headwall, pipe, and flapgate at WS toe.

Photo 2 of 3 : UCIP_FA_2019_39245_60848.jpg



Concrete headwall, pipe, and flapgate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.38	Rating **	M	Issue No.	1219 (cont)	
LM End	8.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.296637 °	37.296637 °	
				-120.861994 °	-120.861994 °	
DWR ID	19621					
Comment Code						
Inspector Comment						
DS_ID:19621 FS_ID:39245 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.41)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39245_60849.jpg



Pipe and concrete headwall at LS toe. Note heavy vegetation.

LM Start	8.55	Rating **	M	Issue No.	12
LM End	8.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.296489 °	37.296764 °
				-120.859081 °	-120.857635 °
DWR ID	DWR_NA0010_01_s_2018_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes observed along this section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.57	Rating **	A/W	Issue No.	1220	
LM End	8.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.296552 °	37.296552 °	
				-120.858596 °	-120.858596 °	
DWR ID	19622					
Comment Code						
Inspector Comment						
DS_ID:19622						
FS_ID:39246						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.61)].						
FS Date: 4/9/2014						

Photo 1 of 3 : UCIP_FA_2019_39246_60854.jpg



Pipe, Flapgate, and headwall on WS toe.

LM Start	8.57	Rating **	A/W	Issue No.	1220 (cont)
LM End	8.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39246_60855.jpg



Pipe, Flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.57	Rating **	A/W	Issue No.	1220 (cont)	
LM End	8.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.296552 °	37.296552 °	
				-120.858596 °	-120.858596 °	
DWR ID	19622					
Comment Code						
Inspector Comment						
DS_ID:19622						
FS_ID:39246						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.61)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39246_60853.jpg



Pipe and headwall at LS toe.

LM Start	8.89	Rating **	M	Issue No.	1221
LM End	8.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID	19623				
Comment Code					
Inspector Comment					
DS_ID:19623					
FS_ID:39247					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.93)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_39247_60859.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.89	Rating **	M	Issue No.	1221 (cont)	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.297296 °		37.297296 °
				-120.852871 °		-120.852871 °
DWR ID	19623					
Comment Code						
Inspector Comment						
DS_ID:19623						
FS_ID:39247						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.93)].						
FS Date: 4/9/2014						

Photo 2 of 3 : UCIP_FA_2019_39247_60860.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	8.89	Rating **	M	Issue No.	1221 (cont)
LM End	8.89	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39247_60858.jpg



Pipe and headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.97	Rating **	U	Issue No.	1222	
LM End	8.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.297423 °	37.297423 °	
				-120.851575 °	-120.851575 °	
DWR ID	19624					
Comment Code						
Inspector Comment						
DS_ID:19624 FS_ID:53190 EP_NO: 12156 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Dense vegetation prevented a full inspection of this crossing. Assumed crossing remains the same as the 2016 inspection. Crossing remains Urgent due to signs of pipe being rusted through visible from the WS. Need to contact owner to clear the dense vegetation on both the WS and the LS to be able to perform proper inspection of crossing. (O. Magana - DWR UCIP)7/19/2016 same as previous inspection--pipe rusted through. Sediment visible inside LS pipe; walkway wood panels have dry rot and appears to be unsafe to use. (DWR UCIP - O. Magana)4/09/2014 Slide gate rusted through and open on WS toe. Inlet appears to be obscured or covered in soil at LS toe. Also dense vegetation on waterward and landward sides. Need to contact owner to contact CVFPB to address issue. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 26-inch steel pipe sleeved through a 30-inch reinforced concrete gravity drainage pipe through the levee, 7.3 feet below the crown. Annular space grouted between the two pipes. Two concrete cutoff walls in the center of the levee. Slide gate with elevated walkway access on the waterside (WS) end. 6-inch thick concrete headwall on the WS end. Concrete wing walls on each end. (Plans to install a 30-inch storm drainage pipe with a valve through the levee authorized under Permit No. 12156, 1977 - Merquin County Water District). (Additional Related Permit(s): Permit No. 12156-A, 1978 - Merquin County Water District). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 11/1/2018 12:50:00 PM						

Photo 1 of 3 : UCIP_FA_2019_53190_60864.jpg



Metal walkway to slidegate operator on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.97	Rating **	U	Issue No.	1222 (cont)
LM End	8.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.297423°	37.297423°
				-120.851575°	-120.851575°
DWR ID	19624				

Comment Code

Inspector Comment

DS_ID:19624
FS_ID:53190
EP_NO: 12156
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/01/2018 Dense vegetation prevented a full inspection of this crossing. Assumed crossing remains the same as the 2016 inspection. Crossing remains Urgent due to signs of pipe being rusted through visible from the WS. Need to contact owner to clear the dense vegetation on both the WS and the LS to be able to perform proper inspection of crossing. (O. Magana - DWR UCIP)7/19/2016 same as previous inspection--pipe rusted through. Sediment visible inside LS pipe; walkway wood panels have dry rot and appears to be unsafe to use. (DWR UCIP - O. Magana)4/09/2014 Slide gate rusted through and open on WS toe. Inlet appears to be obscured or covered in soil at LS toe. Also dense vegetation on waterward and landward sides. Need to contact owner to contact CVFPB to address issue. (DWR UCIP - W. Wylie)
FIELD_STRUCT_DESC: 26-inch steel pipe sleeved through a 30-inch reinforced concrete gravity drainage pipe through the levee, 7.3 feet below the crown. Annular space grouted between the two pipes. Two concrete cutoff walls in the center of the levee. Slide gate with elevated walkway access on the waterside (WS) end. 6-inch thick concrete headwall on the WS end. Concrete wing walls on each end. (Plans to install a 30-inch storm drainage pipe with a valve through the levee authorized under Permit No. 12156, 1977 - Merquin County Water District). (Additional Related Permit(s): Permit No. 12156-A, 1978 - Merquin County Water District). [Additional Reference(s): DWR Levee Log, 2002].
FS Date: 11/1/2018 12:50:00 PM

Photo 2 of 3 : UCIP_FA_2019_53190_60862.jpg



Slidegate and headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.97	Rating **	U	Issue No.	1222 (cont)
LM End	8.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.297423°	37.297423°
				-120.851575°	-120.851575°
DWR ID	19624				

Comment Code

Inspector Comment

DS_ID:19624
 FS_ID:53190
 EP_NO: 12156
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 11/01/2018 Dense vegetation prevented a full inspection of this crossing. Assumed crossing remains the same as the 2016 inspection. Crossing remains Urgent due to signs of pipe being rusted through visible from the WS. Need to contact owner to clear the dense vegetation on both the WS and the LS to be able to perform proper inspection of crossing. (O. Magana - DWR UCIP)7/19/2016 same as previous inspection--pipe rusted through. Sediment visible inside LS pipe; walkway wood panels have dry rot and appears to be unsafe to use. (DWR UCIP - O. Magana)4/09/2014 Slide gate rusted through and open on WS toe. Inlet appears to be obscured or covered in soil at LS toe. Also dense vegetation on waterward and landward sides. Need to contact owner to contact CVFPB to address issue. (DWR UCIP - W. Wylie)
 FIELD_STRUCT_DESC: 26-inch steel pipe sleeved through a 30-inch reinforced concrete gravity drainage pipe through the levee, 7.3 feet below the crown. Annular space grouted between the two pipes. Two concrete cutoff walls in the center of the levee. Slide gate with elevated walkway access on the waterside (WS) end. 6-inch thick concrete headwall on the WS end. Concrete wing walls on each end. (Plans to install a 30-inch storm drainage pipe with a valve through the levee authorized under Permit No. 12156, 1977 - Merquin County Water District). (Additional Related Permit(s): Permit No. 12156-A, 1978 - Merquin County Water District). [Additional Reference(s): DWR Levee Log, 2002].
 FS Date: 11/1/2018 12:50:00 PM

Photo 3 of 3 : UCIP_FA_2019_53190_60865.jpg



Slidegate rusted through and open on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.97	Rating **	M	Issue No.	1223	
LM End	8.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.297425 °	37.297425 °	
				-120.851522 °	-120.851522 °	
DWR ID	19625					
Comment Code						
Inspector Comment						
DS_ID:19625						
FS_ID:39249						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.00)].						
FS Date: 4/9/2014						

LM Start	8.97	Rating **	M	Issue No.	1223 (cont)
LM End	8.97	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39249_60870.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39249_60869.jpg



Pipe and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.97	Rating **	M	Issue No.	1223 (cont)	
LM End	8.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.297425 °	37.297425 °	
				-120.851522 °	-120.851522 °	
DWR ID	19625					
Comment Code						
Inspector Comment						
DS_ID:19625						
FS_ID:39249						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.00)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39249_60868.jpg



Pipe and headwall visible on LS toe.

LM Start	8.99	Rating **	M	Issue No.	1224	
LM End	8.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.297488 °		37.297488 °
				-120.851157 °		-120.851157 °
DWR ID	19626					
Comment Code						
Inspector Comment						
DS_ID:19626						
FS_ID:39250						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.03)].						
FS Date: 4/9/2014						

Photo 1 of 2 : UCIP_FA_2019_39250_60872.jpg



Heavy vegetation on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	8.99	Rating **	M	Issue No.	1224 (cont)	
LM End	8.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.297488 °		37.297488 °
				-120.851157 °		-120.851157 °
DWR ID	19626					
Comment Code						
Inspector Comment						
DS_ID:19626 FS_ID:39250 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.03)]. FS Date: 4/9/2014						

Photo 2 of 2 : UCIP_FA_2019_39250_60871.jpg



Pipe, concrete headwall, and flapgate at WS toe.

LM Start	9.03	Rating **	U	Issue No.	122
LM End	9.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297446 °	37.290961 °
				-120.850505 °	-120.839775 °
DWR ID	DWR_NA0010_01_f_2019_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_122_20191105_00282.jpg



View of vegetation along the landside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	9.03	Rating **	U	Issue No.	123
LM End	9.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297445 °	37.290961 °
				-120.850505 °	-120.839775 °
DWR ID	DWR_NA0010_01_f_2019_123				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_123_20191105_00283.jpg



View along the waterside slope looking upstream. (Fall 2019)

LM Start	9.34	Rating **	M	Issue No.	1225
LM End	9.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.295413 °	37.295413 °
				-120.845664 °	-120.845664 °
DWR ID	19627				
Comment Code					
Inspector Comment					
DS_ID:19627 FS_ID:39251 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete drop inlet at the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.37)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_39251_60875.jpg



Pipe and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	9.34	Rating **	M	Issue No.	1225 (cont)	
LM End	9.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.295413 °	37.295413 °	
				-120.845664 °	-120.845664 °	
DWR ID	19627					
Comment Code						
Inspector Comment						
DS_ID:19627						
FS_ID:39251						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete drop inlet at the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.37)].						
FS Date: 4/9/2014						

LM Start	9.34	Rating **	M	Issue No.	1225 (cont)
LM End	9.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39251_60876.jpg



Headwall, Pipe, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39251_60874.jpg



Concrete drop-inlet installed on pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	9.64	Rating **	A/W	Issue No.	1226
LM End	9.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.294845 °	37.294845 °
				-120.840580 °	-120.840580 °
DWR ID	19628				
Comment Code					
Inspector Comment					
DS_ID:19628 FS_ID:33683 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.67)]. FS Date: 4/9/2014					

Photo 1 of 1 : UCIP_FA_2019_33683_60880.jpg



Pipe, flapgate, and headwall visible on WS toe.

LM Start	9.89	Rating **	A/W	Issue No.	112
LM End	9.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.291796 °	37.291581 °
				-120.839497 °	-120.839718 °
DWR ID	DWR_NA0010_01_f_2017_112				
Comment Code					
Inspector Comment					
Landowner degraded levee in the 1970's because water on LS was flooding his property. Landowner has prevented efforts to restore levee. LMA has stated that no water from the waterside of the levee has ever backed up through the degraded levee and caused flooding.					

Photo 1 of 1 : FA_2019_NA0010_118_112_20190912_00022.jpg



Looking south at the levee bank caving. (Fall 2017)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	9.94	Rating **	U	Issue No.	120
LM End	9.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.290994 °	37.290673 °
				-120.839758 °	-120.839988 °
DWR ID	DWR_NA0010_01_f_2018_120				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows observed in this section with large amount of material displaced.					

Photo 1 of 2 : FA_2019_NA0010_118_120_20190912_00031.jpg



Representative view of rodent burrow. (Fall 2018)

LM Start	9.94	Rating **	U	Issue No.	120 (cont)
LM End	9.97	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_118_120_20190912_00032.jpg



View of another rodent burrow. (Fall 2018)

LM Start	9.95	Rating **	M	Issue No.	124
LM End	11.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.290821 °	37.282394 °
				-120.839879 °	-120.827252 °
DWR ID	DWR_NA0010_01_f_2019_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	9.95	Rating **	M	Issue No.	125
LM End	11.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.290821 °	37.282394 °
				-120.839879 °	-120.827252 °
DWR ID	DWR_NA0010_01_f_2019_125				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.99	Rating **	M	Issue No.	121
LM End	9.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.290432 °	37.290432 °
				-120.840189 °	-120.840189 °
DWR ID	DWR_NA0010_01_f_2018_121				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted at this location.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	10.20	Rating **	M	Issue No.	1227	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.287511 °		37.287511 °
				-120.840251 °		-120.840251 °
DWR ID	19629					
Comment Code						
Inspector Comment						
DS_ID:19629 FS_ID:39253 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation blocks waterward and landward toes Recommend removing vegetation from both toes. Also sediment buildup in pipe visible from landward side. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 69 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.23)]. FS Date: 4/9/2014						

Photo 1 of 3 : UCIP_FA_2019_39253_60884.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	10.20	Rating **	M	Issue No.	1227 (cont)
LM End	10.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39253_60886.jpg



Pipe, headwall, and flapgate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	10.20	Rating **	M	Issue No.	1227 (cont)	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.287511 °		37.287511 °
				-120.840251 °		-120.840251 °
DWR ID	19629					
Comment Code						
Inspector Comment						
DS_ID:19629 FS_ID:39253 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation blocks waterward and landward toes Recommend removing vegetation from both toes. Also sediment buildup in pipe visible from landward side. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 69 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.23)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39253_60885.jpg



Pipe and headwall at LS toe.

LM Start	10.68	Rating **	A/W	Issue No.	1228
LM End	10.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.283740 °	37.283740 °
				-120.833452 °	-120.833452 °
DWR ID	19630				
Comment Code					
Inspector Comment					
DS_ID:19630					
FS_ID:33687					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 68 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_33687_60890.jpg



Pipe and flapgate on Ws toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	10.68	Rating **	A/W	Issue No.	1228 (cont)
LM End	10.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.283740 °	37.283740 °
				-120.833452 °	-120.833452 °
DWR ID	19630				

Comment Code

Inspector Comment

DS_ID:19630
FS_ID:33687
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 68 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].
FS Date: 4/9/2014

LM Start	10.68	Rating **	A/W	Issue No.	1228 (cont)
LM End	10.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33687_60889.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2019_33687_60888.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	10.69	Rating **	A/W	Issue No.	1229	
LM End	10.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.283710 °	37.283710 °	
				-120.833329 °	-120.833329 °	
DWR ID	19631					
Comment Code						
Inspector Comment						
DS_ID:19631						
FS_ID:39254						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 67 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].						
FS Date: 4/9/2014						

Photo 1 of 3 : UCIP_FA_2019_39254_60894.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	10.69	Rating **	A/W	Issue No.	1229 (cont)
LM End	10.69	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39254_60893.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	10.69	Rating **	A/W	Issue No.	1229 (cont)	
LM End	10.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.283710°	37.283710°	
				-120.833329°	-120.833329°	
DWR ID	19631					
Comment Code						
Inspector Comment						
DS_ID:19631						
FS_ID:39254						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 7 feet below the crown. Flap gate on the waterside						
(WS) end. Brass cap No. 67 bench mark (BM) on the headwall on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39254_60895.jpg



Concrete pipe visible on LS slope.

LM Start	10.98	Rating **	M	Issue No.	1230
LM End	10.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.282627°	37.282627°
				-120.828233°	-120.828233°
DWR ID	19632				
Comment Code					
Inspector Comment					
DS_ID:19632					
FS_ID:39255					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/09/2014 Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 66 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.00)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_39255_60897.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	10.98	Rating **	M	Issue No.	1230 (cont)	
LM End	10.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.282627 °		37.282627 °
				-120.828233 °		-120.828233 °
DWR ID	19632					
Comment Code						
Inspector Comment						
DS_ID:19632 FS_ID:39255 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 66 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.00)]. FS Date: 4/9/2014						

Photo 2 of 3 : UCIP_FA_2019_39255_60899.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	10.98	Rating **	M	Issue No.	1230 (cont)
LM End	10.98	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39255_60898.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	11.03	Rating **	U	Issue No.	126
LM End	11.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.282393 °	37.270987 °
				-120.827252 °	-120.826067 °
DWR ID	DWR_NA0010_01_f_2019_126				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_126_20191105_00284.jpg



View of landside slope looking upstream. (Fall 2019)

LM Start	11.03	Rating **	U	Issue No.	127
LM End	11.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.282393 °	37.270939 °
				-120.827251 °	-120.826077 °
DWR ID	DWR_NA0010_01_f_2019_127				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_127_20191107_00285.jpg



View of the waterside slope looking upstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	11.14	Rating **	A/W	Issue No.	1231
LM End	11.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.281813 °	37.281813 °
				-120.825409 °	-120.825409 °
DWR ID	19633				
Comment Code					
Inspector Comment					
DS_ID:19633 FS_ID:33690 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 65 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.18)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_33690_60903.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	11.14	Rating **	A/W	Issue No.	1231 (cont)
LM End	11.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33690_60902.jpg



Pipe and headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	11.14	Rating **	A/W	Issue No.	1231 (cont)							
LM End	11.14	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		37.281813°	37.281813°								
			-120.825409°	-120.825409°								
DWR ID	19633											
Comment Code												
Inspector Comment												
DS_ID:19633 FS_ID:33690 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 65 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.18)]. FS Date: 4/9/2014												

Photo 3 of 3 : UCIP_FA_2019_33690_60901.jpg



Pipe and headwall at LS toe.

LM Start	11.37	Rating **	A/W	Issue No.	1232							
LM End	11.37	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		37.275518°	37.275518°								
			-120.826052°	-120.826052°								
DWR ID	19814											
Comment Code												
Inspector Comment												
DS_ID:19814 FS_ID:47100 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through levee, 12 feet below the crown. Two metal cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as U6 HLM 0.05 should be U1 HLM 11.37)]. FS Date: 4/18/2014												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	1233	
LM End	11.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.273787 °		37.273787 °
				-120.825519 °		-120.825519 °
DWR ID	19634					
Comment Code						
Inspector Comment						
DS_ID:19634 FS_ID:36103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner--landward side has been buried. It appears that soil was removed from levee toe, immediately upstream, and used to pile soil at landward side at crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 62 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36103_65362.jpg



View of waterward side.

LM Start	11.49	Rating **	M	Issue No.	1233 (cont)
LM End	11.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36103_65364.jpg



View of concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	1233 (cont)	
LM End	11.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.273787 °		37.273787 °
				-120.825519 °		-120.825519 °
DWR ID	19634					
Comment Code						
Inspector Comment						
DS_ID:19634 FS_ID:36103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner--landward side has been buried. It appears that soil was removed from levee toe, immediately upstream, and used to pile soil at landward side at crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 62 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36103_65363.jpg



Inside view of pipe from waterward side.

LM Start	11.62	Rating **	M	Issue No.	132
LM End	11.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.271863 °	37.271863 °
				-120.825903 °	-120.825903 °
DWR ID	DWR_NA0010_01_s_2019_132				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	1234	
LM End	11.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.269701 °	37.269701 °	
				-120.826450 °	-120.826450 °	
DWR ID	19635					
Comment Code						
Inspector Comment						
DS_ID:19635 FS_ID:36105 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Crossing is non-functional --landward side is buried. Debris found on landward side (channel). Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 61 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.76)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36105_65372.jpg



View of waterward side.

LM Start	11.78	Rating **	M	Issue No.	1234 (cont)
LM End	11.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36105_65371.jpg



Landward side of crossing buried--damage pipe section visible on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	1235	
LM End	12.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.265336 °	37.265336 °	
				-120.826591 °	-120.826591 °	
DWR ID	19636					
Comment Code						
Inspector Comment						
DS_ID:19636 FS_ID:36106 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Crossing is non-functional --landward side is buried. Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.11)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36106_65378.jpg



View of waterward side--flap gate visible on waterward toe.

LM Start	12.12	Rating **	M	Issue No.	1235 (cont)
LM End	12.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36106_65379.jpg



Flap gate and concrete headwall visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	1235 (cont)	
LM End	12.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.265336 °	37.265336 °	
				-120.826591 °	-120.826591 °	
DWR ID	19636					
Comment Code						
Inspector Comment						
DS_ID:19636 FS_ID:36106 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Crossing is non-functional --landward side is buried. Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.11)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36106_65377.jpg



View of landward side.

LM Start	12.13	Rating **	M	Issue No.	129
LM End	12.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.265307 °	37.258945 °
				-120.826590 °	-120.826358 °
DWR ID	DWR_NA0010_01_f_2019_129				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_129_20191107_00291.jpg



View of waterside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	12.95	Rating **	M	Issue No.	1236
LM End	12.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.256873 °	37.256873 °
				-120.821277 °	-120.821277 °
DWR ID	19637				
Comment Code					
Inspector Comment					
DS_ID:19637 FS_ID:36146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Concrete headwall on landward side blocked by debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.94)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP_FA_2019_36146_65412.jpg



View of waterward side.

LM Start	12.95	Rating **	M	Issue No.	1236 (cont)
LM End	12.95	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36146_65411.jpg



Flap gate and concrete headwall visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	12.95	Rating **	M	Issue No.	1236 (cont)	
LM End	12.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.256873 °	37.256873 °	
				-120.821277 °	-120.821277 °	
DWR ID	19637					
Comment Code						
Inspector Comment						
DS_ID:19637						
FS_ID:36146						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Concrete headwall on landward side blocked by debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of crossing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.94)].						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36146_65410.jpg



View of landward side--concrete headwall visible covered by dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	13.49	Rating **	M	Issue No.	1237	
LM End	13.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.251590 °	37.251590 °	
				-120.814354 °	-120.814354 °	
DWR ID	19638					
Comment Code						
Inspector Comment						
DS_ID:19638 FS_ID:36109 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Concrete headwall blocked by debris located on landward toe. Recommend clearing debris from landward slope and toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.48)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36109_65389.jpg



View of waterward side.

LM Start	13.49	Rating **	M	Issue No.	1237 (cont)
LM End	13.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36109_65387.jpg



View of flap gate and pipe through levee on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	13.49	Rating **	M	Issue No.	1237 (cont)	
LM End	13.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.251590 °	37.251590 °	
				-120.814354 °	-120.814354 °	
DWR ID	19638					
Comment Code						
Inspector Comment						
DS_ID:19638 FS_ID:36109 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Concrete headwall blocked by debris located on landward toe. Recommend clearing debris from landward slope and toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.48)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36109_65388.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	1238	
LM End	13.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.250138°	37.250138°	
				-120.814720°	-120.814720°	
DWR ID	19639					
Comment Code						
Inspector Comment						
DS_ID:19639 FS_ID:39256 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 No access to waterward toe due to fence. Unable to find the concrete headwall and flap gate on waterward side past fence. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also need access past fence on waterward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.58)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39256_65418.jpg



View of waterward side.

LM Start	13.59	Rating **	M	Issue No.	1238 (cont)
LM End	13.59	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39256_65417.jpg



Dense vegetation on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	1238 (cont)	
LM End	13.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.250138 °	37.250138 °	
				-120.814720 °	-120.814720 °	
DWR ID	19639					
Comment Code						
Inspector Comment						
DS_ID:19639 FS_ID:39256 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 No access to waterward toe due to fence. Unable to find the concrete headwall and flap gate on waterward side past fence. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also need access past fence on waterward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.58)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39256_65416.jpg



Concrete headwall visible from landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	13.82	Rating **	M	Issue No.	1239
LM End	13.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.247568 °	37.247568 °
				-120.817074 °	-120.817074 °
DWR ID	19640				
Comment Code					
Inspector Comment					
DS_ID:19640 FS_ID:36544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/25/2014 No photos available--missed crossing. Aerial photograph indicates crossing is present. Need to confirm if crossing is still present on waterward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.81)]. FS Date: 4/25/2014					

Photo 1 of 1 : UCIP_FA_2019_36544_66286.jpg



Indicators of crossing visible from aerial photograph.

LM Start	14.22	Rating **	M	Issue No.	1240
LM End	14.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID	19641				
Comment Code					
Inspector Comment					
DS_ID:19641 FS_ID:36166 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.21)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP_FA_2019_36166_65449.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	14.22	Rating **	M	Issue No.	1240 (cont)	
LM End	14.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.242225 °		37.242225 °
				-120.817665 °		-120.817665 °
DWR ID	19641					
Comment Code						
Inspector Comment						
DS_ID:19641 FS_ID:36166 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.21)]. FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_36166_65452.jpg



View of concrete headwall, concrete apron, and flap gate on waterward side.

LM Start	14.22	Rating **	M	Issue No.	1240 (cont)
LM End	14.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36166_65448.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	14.65	Rating **	M	Issue No.	1241	
LM End	14.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.237584 °		37.237584 °
				-120.812967 °		-120.812967 °
DWR ID	19642					
Comment Code						
Inspector Comment						
DS_ID:19642						
FS_ID:36167						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope and toe. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.65)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36167_65455.jpg



View of waterward side.

LM Start	14.65	Rating **	M	Issue No.	1241 (cont)
LM End	14.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36167_65454.jpg



Flap gate, concrete headwall, and concrete apron located on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	14.65	Rating **	M	Issue No.	1241 (cont)	
LM End	14.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.237584 °		37.237584 °
				-120.812967 °		-120.812967 °
DWR ID	19642					
Comment Code						
Inspector Comment						
DS_ID:19642 FS_ID:36167 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope and toe. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.65)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36167_65453.jpg



Concrete headwall located on landward toe.

LM Start	14.96	Rating **	M	Issue No.	131
LM End	16.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.235367 °	37.224064 °
				-120.808209 °	-120.784591 °
DWR ID	DWR_NA0010_01_f_2019_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	15.29	Rating **	M	Issue No.	1242	
LM End	15.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.231428 °		37.231428 °
				-120.805543 °		-120.805543 °
DWR ID	19643					
Comment Code						
Inspector Comment						
DS_ID:19643						
FS_ID:36168						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.29)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36168_65459.jpg



View of waterward side.

LM Start	15.29	Rating **	M	Issue No.	1242 (cont)
LM End	15.29	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36168_65457.jpg



Concrete headwall, flap gate, and concrete apron located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	15.29	Rating **	M	Issue No.	1242 (cont)	
LM End	15.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.231428 °		37.231428 °
				-120.805543 °		-120.805543 °
DWR ID	19643					
Comment Code						
Inspector Comment						
DS_ID:19643 FS_ID:36168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.29)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36168_65458.jpg



View of landward side.

LM Start	15.52	Rating **	M	Issue No.	133
LM End	16.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.228832 °	37.224107 °
				-120.803208 °	-120.782475 °
DWR ID	DWR_NA0010_01_f_2019_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	1243	
LM End	15.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.228155 °	37.228155 °	
				-120.802645 °	-120.802645 °	
DWR ID	19644					
Comment Code						
Inspector Comment						
DS_ID:19644 FS_ID:36169 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.57)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36169_65464.jpg



View of waterward side--flap gate visible through dense vegetation.

LM Start	15.58	Rating **	M	Issue No.	1243 (cont)
LM End	15.58	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36169_65463.jpg



View of waterward slope covered by dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	1243 (cont)	
LM End	15.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.228155 °	37.228155 °	
				-120.802645 °	-120.802645 °	
DWR ID	19644					
Comment Code						
Inspector Comment						
DS_ID:19644 FS_ID:36169 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.57)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36169_65462.jpg



Concrete headwall visible on landward toe--dense vegetation blocking inlet.

LM Start	15.82	Rating **	M	Issue No.	1244	
LM End	15.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.226099 °		37.226099 °
				-120.799125 °		-120.799125 °
DWR ID	19645					
Comment Code						
Inspector Comment						
DS_ID:19645 FS_ID:36171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.81)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36171_65471.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	1244 (cont)	
LM End	15.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.226099 °		37.226099 °
				-120.799125 °		-120.799125 °
DWR ID	19645					
Comment Code						
Inspector Comment						
DS_ID:19645 FS_ID:36171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.81)]. FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_36171_65470.jpg



Flap gate visible on waterward side.

LM Start	15.82	Rating **	M	Issue No.	1244 (cont)
LM End	15.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36171_65469.jpg



Side view of pipe and flap gate on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.09	Rating **	M	Issue No.	1245	
LM End	16.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.224157°	37.224157°	
				-120.795250°	-120.795250°	
DWR ID	19646					
Comment Code						
Inspector Comment						
DS_ID:19646 FS_ID:36172 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.09)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36172_65476.jpg



View of waterward side.

LM Start	16.09	Rating **	M	Issue No.	1245 (cont)
LM End	16.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36172_65475.jpg



Flap gate visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.09	Rating **	M	Issue No.	1245 (cont)	
LM End	16.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.224157 °	37.224157 °	
				-120.795250 °	-120.795250 °	
DWR ID	19646					
Comment Code						
Inspector Comment						
DS_ID:19646 FS_ID:36172 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.09)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36172_65474.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.15	Rating **	M	Issue No.	1246	
LM End	16.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.224120 °	37.224120 °	
				-120.794002 °	-120.794002 °	
DWR ID	19647					
Comment Code						
Inspector Comment						
DS_ID:19647 FS_ID:39257 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.15)]. FS Date: 4/25/2014						

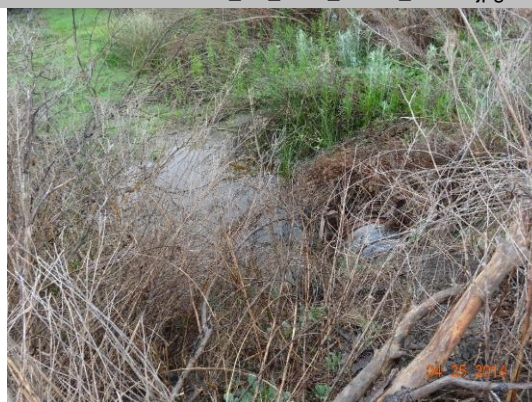
Photo 1 of 3 : UCIP_FA_2019_39257_65480.jpg



View of waterward side.

LM Start	16.15	Rating **	M	Issue No.	1246 (cont)
LM End	16.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39257_65479.jpg



Crossing visible on waterward side under dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.15	Rating **	M	Issue No.	1246 (cont)	
LM End	16.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.224120 °	37.224120 °	
				-120.794002 °	-120.794002 °	
DWR ID	19647					
Comment Code						
Inspector Comment						
DS_ID:19647 FS_ID:39257 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.15)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39257_65478.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.72	Rating **	M	Issue No.	1247	
LM End	16.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.224223 °	37.224223 °	
				-120.783806 °	-120.783806 °	
DWR ID	19648					
Comment Code						
Inspector Comment						
DS_ID:19648 FS_ID:39258 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.72)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39258_66288.jpg



View of levee crown at crossing.

LM Start	16.72	Rating **	M	Issue No.	1247 (cont)
LM End	16.72	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39258_66289.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.72	Rating **	M	Issue No.	1247 (cont)	
LM End	16.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.224223 °	37.224223 °	
				-120.783806 °	-120.783806 °	
DWR ID	19648					
Comment Code						
Inspector Comment						
DS_ID:19648 FS_ID:39258 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.72)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39258_66287.jpg



View of flap gate visible on waterward side.

LM Start	16.72	Rating **	M	Issue No.	1248
LM End	16.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID	24870				
Comment Code					
Inspector Comment					
DS_ID:24870 FS_ID:39360 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner to determine status and reason for crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 12-inch steel gravity drainage pipe through the levee, at an unknown depth. Concrete standpipe visible on the landside (LS). This pipe was field discovered. FS Date: 4/25/2014					

Photo 1 of 2 : UCIP_FA_2019_39360_71487.jpg



View of pipe located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	16.72	Rating **	M	Issue No.	1248 (cont)	
LM End	16.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.224223 °	37.224223 °	
				-120.783806 °	-120.783806 °	
DWR ID	24870					
Comment Code						
Inspector Comment						
DS_ID:24870						
FS_ID:39360						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Need to contact owner to determine status and reason for crossing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 12-inch steel gravity drainage pipe through the levee, at an unknown depth. Concrete standpipe visible on the landside (LS). This pipe was field discovered.						
FS Date: 4/25/2014						

Photo 2 of 2 : UCIP_FA_2019_39360_71486.jpg



View of landward side.

LM Start	17.01	Rating **	M	Issue No.	1249
LM End	17.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID	19577				
Comment Code					
Inspector Comment					
DS_ID:19577 FS_ID:39259 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Concrete headwall is buried by dense vegetation. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.01)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39259_65518.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.01	Rating **	M	Issue No.	1249 (cont)	
LM End	17.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.221838 °	37.221838 °	
				-120.780230 °	-120.780230 °	
DWR ID	19577					
Comment Code						
Inspector Comment						
DS_ID:19577 FS_ID:39259 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Concrete headwall is buried by dense vegetation. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.01)]. FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_39259_65519.jpg



Flap gate visible on waterward side.

LM Start	17.01	Rating **	M	Issue No.	1249 (cont)
LM End	17.01	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39259_65517.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	1250
LM End	17.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.219302°	37.219302°
				-120.779475°	-120.779475°
DWR ID	19578				
Comment Code					
Inspector Comment					
DS_ID:19578 FS_ID:39260 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup inside pipe visible from landward side. Recommend clearing pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.19)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39260_65525.jpg



View of waterward side.

LM Start	17.19	Rating **	M	Issue No.	1250 (cont)
LM End	17.19	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39260_65521.jpg



Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	1250 (cont)	
LM End	17.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.219302°	37.219302°	
				-120.779475°	-120.779475°	
DWR ID	19578					
Comment Code						
Inspector Comment						
DS_ID:19578 FS_ID:39260 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup inside pipe visible from landward side. Recommend clearing pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.19)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39260_65520.jpg



Flap gate visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.26	Rating **	M	Issue No.	1251	
LM End	17.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.218332 °	37.218332 °	
				-120.779459 °	-120.779459 °	
DWR ID	19579					
Comment Code						
Inspector Comment						
DS_ID:19579 FS_ID:36203 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.26)]. FS Date: 4/25/2014						

LM Start	17.26	Rating **	M	Issue No.	1251 (cont)
LM End	17.26	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36203_65551.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2019_36203_65552.jpg



Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.26	Rating **	M	Issue No.	1251 (cont)	
LM End	17.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.218332 °	37.218332 °	
				-120.779459 °	-120.779459 °	
DWR ID	19579					
Comment Code						
Inspector Comment						
DS_ID:19579						
FS_ID:36203						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.26)].						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_36203_65554.jpg



View of landward side.

LM Start	17.45	Rating **	U	Issue No.	135
LM End	18.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.216003 °	37.204707 °
				-120.778941 °	-120.762065 °
DWR ID	DWR_NA0010_01_f_2019_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_135_20191107_00287.jpg



View of vegetation on landside slope and toe looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.45	Rating **	U	Issue No.	136
LM End	18.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.216003 °	37.204655 °
				-120.778941 °	-120.761978 °
DWR ID	DWR_NA0010_01_f_2019_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_136_20191107_00288.jpg



View of vegetation on waterside slope looking upstream. (Fall 2019)

LM Start	17.52	Rating **	M	Issue No.	1252	
LM End	17.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.215976 °		37.215976 °
				-120.777615 °		-120.777615 °
DWR ID	19580					
Comment Code						
Inspector Comment						
DS_ID:19580 FS_ID:36204 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.53)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36204_65547.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	17.52	Rating **	M	Issue No.	1252 (cont)	
LM End	17.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.215976 °		37.215976 °
				-120.777615 °		-120.777615 °
DWR ID	19580					
Comment Code						
Inspector Comment						
DS_ID:19580 FS_ID:36204 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.53)]. FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_36204_65546.jpg



Flap gate visible on waterward side.

LM Start	17.52	Rating **	M	Issue No.	1252 (cont)
LM End	17.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36204_65545.jpg



View of landward side--riser at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	18.18	Rating **	M	Issue No.	1253	
LM End	18.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.210998 °	37.210998 °	
				-120.768900 °	-120.768900 °	
DWR ID	19581					
Comment Code						
Inspector Comment						
DS_ID:19581 FS_ID:39261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.19)]. FS Date: 4/25/2014						

LM Start	18.18	Rating **	M	Issue No.	1253 (cont)
LM End	18.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39261_65557.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39261_65556.jpg



Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	18.18	Rating **	M	Issue No.	1253 (cont)	
LM End	18.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.210998 °	37.210998 °	
				-120.768900 °	-120.768900 °	
DWR ID	19581					
Comment Code						
Inspector Comment						
DS_ID:19581 FS_ID:39261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.19)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39261_65555.jpg



View of landward side.

LM Start	18.45	Rating **	A/W	Issue No.	1254	
LM End	18.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.207538 °		37.207538 °
				-120.767679 °		-120.767679 °
DWR ID	19582					
Comment Code						
Inspector Comment						
DS_ID:19582						
FS_ID:36206						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.45)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36206_65563.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	18.45	Rating **	A/W	Issue No.	1254 (cont)	
LM End	18.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.207538 °	37.207538 °	
				-120.767679 °	-120.767679 °	
DWR ID	19582					
Comment Code						
Inspector Comment						
DS_ID:19582						
FS_ID:36206						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.45)].						
FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_36206_65562.jpg



View of waterward slope.

LM Start	18.45	Rating **	A/W	Issue No.	1254 (cont)
LM End	18.45	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36206_65561.jpg



Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	18.77	Rating **	U	Issue No.	134
LM End	18.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.205064 °	37.205064 °
				-120.762721 °	-120.762721 °
DWR ID	DWR_NA0010_01_s_2019_134				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_134_20190912_00035.jpg



View of prunings on waterside slope. (Spring 2019)

LM Start	18.79	Rating **	M	Issue No.	1255	
LM End	18.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.204966 °	37.204966 °	
				-120.762511 °	-120.762511 °	
DWR ID	19593					
Comment Code						
Inspector Comment						
DS_ID:19593						
FS_ID:36246						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.79)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_36246_65627.jpg



Overview of levee crown and waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	18.79	Rating **	M	Issue No.	1255 (cont)	
LM End	18.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.204966 °		37.204966 °
				-120.762511 °		-120.762511 °
DWR ID	19593					
Comment Code						
Inspector Comment						
DS_ID:19593 FS_ID:36246 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.79)]. FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_36246_65623.jpg



View of waterward side.

LM Start	18.79	Rating **	M	Issue No.	1255 (cont)
LM End	18.79	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36246_65626.jpg



Overview of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	18.79	Rating **	U	Issue No.	94
LM End	18.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.204913 °	37.204913 °
				-120.762412 °	-120.762412 °
DWR ID	DWR_NA0010_01_s_2018_94				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes on landward slope.					

Photo 1 of 2 : FA_2019_NA0010_118_94_20190912_00016.jpg



Looking at large rodent hole on landward slope. (Spring 2018)

LM Start	18.79	Rating **	U	Issue No.	94 (cont)
LM End	18.79	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_118_94_20190912_00017.jpg



Looking at typical view of rodent holes with this section. (Spring 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	1256	
LM End	19.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202801 °	37.202801 °	
				-120.756209 °	-120.756209 °	
DWR ID	19594					
Comment Code						
Inspector Comment						
DS_ID:19594						
FS_ID:39263						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Non-functional crossing--pipe is buried on waterward side. Sediment buildup in pipe visible from landward side. Need to coordinate with owner to determine status. If crossing is no longer in use, owner will need to coordinate with DWR Inspector and CVFPB to properly abandon. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.17)].						
FS Date: 4/25/2014						

LM Start	19.17	Rating **	M	Issue No.	1256 (cont)
LM End	19.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39263_65631.jpg



View of waterward slope. CMP riser and pipe visible.

Photo 2 of 3 : UCIP_FA_2019_39263_65630.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	1256 (cont)	
LM End	19.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202801 °	37.202801 °	
				-120.756209 °	-120.756209 °	
DWR ID	19594					
Comment Code						
Inspector Comment						
DS_ID:19594						
FS_ID:39263						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Non-functional crossing--pipe is buried on waterward side. Sediment buildup in pipe visible from landward side. Need to coordinate with owner to determine status. If crossing is no longer in use, owner will need to coordinate with DWR Inspector and CVFPB to properly abandon. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.17)].						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39263_65632.jpg



Inside view of CMP riser.

LM Start	19.32	Rating **	M	Issue No.	1257	
LM End	19.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.200921 °		37.200921 °
				-120.756901 °		-120.756901 °
DWR ID	24871					
Comment Code						
Inspector Comment						
DS_ID:24871 FS_ID:39266 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 1 of 2: 20-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump station and electrical panel on the landside (LS). This pipe was field discovered. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39266_71421.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.32	Rating **	M	Issue No.	1257 (cont)
LM End	19.32	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.200921 °	37.200921 °	
			-120.756901 °	-120.756901 °	
DWR ID	24871				

Comment Code

Inspector Comment

DS_ID:24871
FS_ID:39266
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 04/25/2014 New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: 1 of 2: 20-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump station and electrical panel on the landside (LS). This pipe was field discovered.
FS Date: 4/25/2014

LM Start	19.32	Rating **	M	Issue No.	1257 (cont)
LM End	19.32	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39266_71420.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2019_39266_71423.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.32	Rating **	M	Issue No.	1258	
LM End	19.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.200919 °	37.200919 °	
				-120.756928 °	-120.756928 °	
DWR ID	24872					
Comment Code						
Inspector Comment						
DS_ID:24872 FS_ID:39267 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 2 of 2: 20-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump station and electrical panel on the landside (LS). This pipe was field discovered. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39267_71427.jpg



View of landward side.

LM Start	19.32	Rating **	M	Issue No.	1258 (cont)
LM End	19.32	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39267_71425.jpg



View of levee crown at crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.32	Rating **	M	Issue No.	1258 (cont)	
LM End	19.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.200919°	37.200919°	
				-120.756928°	-120.756928°	
DWR ID	24872					
Comment Code						
Inspector Comment						
DS_ID:24872						
FS_ID:39267						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 2 of 2: 20-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump station and electrical panel on the landside (LS). This pipe was field discovered.						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39267_71424.jpg



View of waterward slope.

LM Start	19.53	Rating **	M	Issue No.	137
LM End	19.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.199458°	37.196247°
				-120.760176°	-120.762397°
DWR ID	DWR_NA0010_01_f_2019_137				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.53	Rating **	M	Issue No.	138
LM End	19.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.199458 °	37.196247 °
				-120.760177 °	-120.762397 °
DWR ID	DWR_NA0010_01_f_2019_138				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	19.53	Rating **	M	Issue No.	1259	
LM End	19.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.199427 °		37.199427 °
				-120.760235 °		-120.760235 °
DWR ID	19596					
Comment Code						
Inspector Comment						
DS_ID:19596 FS_ID:39268 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.54)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39268_65641.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.53	Rating **	M	Issue No.	1259 (cont)	
LM End	19.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.199427°	37.199427°	
				-120.760235°	-120.760235°	
DWR ID	19596					
Comment Code						
Inspector Comment						
DS_ID:19596 FS_ID:39268 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.54)]. FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_39268_65640.jpg



Flap gate visible on waterward side--potential erosion present on slope.

LM Start	19.53	Rating **	M	Issue No.	1259 (cont)
LM End	19.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39268_65639.jpg



View of landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.81	Rating **	M	Issue No.	1260	
LM End	19.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.197502 °	37.197502 °	
				-120.764045 °	-120.764045 °	
DWR ID	19597					
Comment Code						
Inspector Comment						
DS_ID:19597						
FS_ID:36253						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/25/2014 No photos available for crossing-- crossing missed. Recommend taking photos to confirm status of crossing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.81)].						
FS Date: 4/25/2014						

Photo 1 of 1 : UCIP_FA_2019_36253_65645.jpg



Indicators that a crossing is still present through the levee. Flap gate should be in waterward side.

LM Start	19.94	Rating **	U	Issue No.	139
LM End	20.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.196247 °	37.193640 °
				-120.762397 °	-120.760166 °
DWR ID	DWR_NA0010_01_f_2019_139				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_139_20191107_00289.jpg



Looking upstream along the landside slope. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	19.94	Rating **	U	Issue No.	140
LM End	20.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.196247 °	37.191516 °
				-120.762397 °	-120.761681 °
DWR ID	DWR_NA0010_01_f_2019_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_118_140_20191107_00290.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	20.18	Rating **	M	Issue No.	1261
LM End	20.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID	19598				
Comment Code					
Inspector Comment					
DS_ID:19598					
FS_ID:39269					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/25/2014 Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)].					
FS Date: 4/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39269_65648.jpg



Enter photo 1 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.18	Rating **	M	Issue No.	1261 (cont)	
LM End	20.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.194669 °	37.194669 °	
				-120.759736 °	-120.759736 °	
DWR ID	19598					
Comment Code						
Inspector Comment						
DS_ID:19598						
FS_ID:39269						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)].						
FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_39269_65647.jpg



Flap gate visible on WS toe.

LM Start	20.18	Rating **	M	Issue No.	1261 (cont)
LM End	20.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39269_65646.jpg



Enter photo 3 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.25	Rating **	U	Issue No.	1184
LM End	20.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.193657°	37.193657°
				-120.760138°	-120.760138°
DWR ID	DWR_NA0010_01_s_2015_1184				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed unauthorized ramp on landside slope and toe.					

Photo 1 of 2 : FA_2019_NA0010_118_1184_20190912_00036.jpg



Looking north at ramp cut into landward slope.

LM Start	20.25	Rating **	U	Issue No.	1184 (cont)
LM End	20.25	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_118_1184_20190912_00037.jpg



Looking east at ramp cut into landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.26	Rating **	M	Issue No.	1262	
LM End	20.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.193550 °	37.193550 °	
				-120.760284 °	-120.760284 °	
DWR ID	24873					
Comment Code						
Inspector Comment						
DS_ID:24873 FS_ID:39285 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe sleeved through a 24-inch steel pipe through levee, at an unknown depth. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39285_71446.jpg



Outlet visible on waterward side.

LM Start	20.26	Rating **	M	Issue No.	1262 (cont)
LM End	20.26	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39285_71445.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.26	Rating **	M	Issue No.	1262 (cont)	
LM End	20.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.193550 °	37.193550 °	
				-120.760284 °	-120.760284 °	
DWR ID	24873					
Comment Code						
Inspector Comment						
DS_ID:24873 FS_ID:39285 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe sleeved through a 24-inch steel pipe through levee, at an unknown depth. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39285_71444.jpg



View of landward side.

LM Start	20.27	Rating **	M	Issue No.	1263	
LM End	20.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.193542 °	37.193542 °	
				-120.760300 °	-120.760300 °	
DWR ID	19599					
Comment Code						
Inspector Comment						
DS_ID:19599 FS_ID:49965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 same as previous inspection. crossing was downgraded from Urgent to Non-Urgent due to metal rod not interfering with flap gate. (DWR UCIP - omagana)4/25/2014 Unauthorized crossing through pipe. Line was pushed through existing crossing. Need to contact owner. Also sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. No permit for this crossing. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 7/19/2016						

Photo 1 of 3 : UCIP_FA_2019_49965_66303.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	1263 (cont)	
LM End	20.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.193542°	37.193542°	
				-120.760300°	-120.760300°	
DWR ID	19599					
Comment Code						
Inspector Comment						
DS_ID:19599						
FS_ID:49965						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 7/19/2016 same as previous inspection. crossing was downgraded from Urgent to Non-Urgent due to metal rod not interfering with flap gate. (DWR UCIP - omagana)4/25/2014						
Unauthorized crossing through pipe. Line was pushed through existing crossing. Need to contact owner. Also sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. No permit for this crossing. [Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 7/19/2016						

Photo 2 of 3 : UCIP_FA_2019_49965_66304.jpg



View of WS.

LM Start	20.27	Rating **	M	Issue No.	1263 (cont)
LM End	20.27	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_49965_66302.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	1264	
LM End	20.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.193542 °	37.193542 °	
				-120.760300 °	-120.760300 °	
DWR ID	19600					
Comment Code						
Inspector Comment						
DS_ID:19600 FS_ID:39878 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.27)]. FS Date: 4/25/2014						

LM Start	20.27	Rating **	M	Issue No.	1264 (cont)
LM End	20.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39878_66308.jpg



Overview of levee crown at crossing--multiple crossings at this location.

Photo 2 of 3 : UCIP_FA_2019_39878_66309.jpg



Multiple crossings visible on waterward side--36 inch CMP is submersed in water.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	1264 (cont)	
LM End	20.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.193542 °	37.193542 °	
				-120.760300 °	-120.760300 °	
DWR ID	19600					
Comment Code						
Inspector Comment						
DS_ID:19600 FS_ID:39878 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.27)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39878_66307.jpg



View of landward side.

LM Start	20.27	Rating **	M	Issue No.	1265
LM End	20.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID	24874				
Comment Code					
Inspector Comment					
DS_ID:24874 FS_ID:39286 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 18-inch steel drainage discharge pipe sleeved through a 24-inch steel pipe through levee, at an unknown depth. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39286_71442.jpg



Outlets visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	1265 (cont)
LM End	20.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.193542°	37.193542°	
			-120.760300°	-120.760300°	
DWR ID	24874				

Comment Code

Inspector Comment

DS_ID:24874
 FS_ID:39286
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 18-inch steel drainage discharge pipe sleeved through a 24-inch steel pipe through levee, at an unknown depth.
 FS Date: 4/25/2014

LM Start	20.27	Rating **	M	Issue No.	1265 (cont)
LM End	20.27	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39286_71441.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2019_39286_71440.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	20.71	Rating **	M	Issue No.	141
LM End	22.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.187867°	37.167001°
				-120.763526°	-120.750129°
DWR ID	DWR_NA0010_01_f_2019_141				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	21.40	Rating **	M	Issue No.	1266	
LM End	21.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.179065 °	37.179065 °	
				-120.761567 °	-120.761567 °	
DWR ID	19603					
Comment Code						
Inspector Comment						
DS_ID:19603						
FS_ID:39271						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Crossing is non-functional--crossing buried on landward side. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.40)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39271_66312.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	21.40	Rating **	M	Issue No.	1266 (cont)	
LM End	21.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.179065 °	37.179065 °	
				-120.761567 °	-120.761567 °	
DWR ID	19603					
Comment Code						
Inspector Comment						
DS_ID:19603						
FS_ID:39271						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Crossing is non-functional--crossing buried on landward side. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.40)].						
FS Date: 4/25/2014						

Photo 2 of 3 : UCIP_FA_2019_39271_66313.jpg



Flap gate half way submersed located on waterward side.

LM Start	21.40	Rating **	M	Issue No.	1266 (cont)
LM End	21.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39271_66311.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	21.75	Rating **	M	Issue No.	1267	
LM End	21.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.176106 °		37.176106 °
				-120.756768 °		-120.756768 °
DWR ID	19604					
Comment Code						
Inspector Comment						
DS_ID:19604						
FS_ID:39272						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Non-functional crossing-landward side is buried. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.76)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39272_65697.jpg



View of waterward side.

LM Start	21.75	Rating **	M	Issue No.	1267 (cont)
LM End	21.75	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39272_65695.jpg



Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	21.75	Rating **	M	Issue No.	1267 (cont)	
LM End	21.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.176106 °		37.176106 °
				-120.756768 °		-120.756768 °
DWR ID	19604					
Comment Code						
Inspector Comment						
DS_ID:19604						
FS_ID:39272						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Non-functional crossing-landward side is buried. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.76)].						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39272_65696.jpg



View of landward side.

LM Start	21.99	Rating **	M	Issue No.	130
LM End	22.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.173001°	37.172668°
				-120.755115°	-120.754933°
DWR ID	DWR_NA0010_01_f_2018_130				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Tilling along landside toe partially cut into the slope.					

Photo 1 of 2 : FA_2019_NA0010_118_130_20190912_00033.jpg



View of tilling looking upstream. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	21.99	Rating **	M	Issue No.	130 (cont)
LM End	22.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.173001°	37.172668°
				-120.755115°	-120.754933°
DWR ID	DWR_NA0010_01_f_2018_130				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Tilling along landside toe partially cut into the slope.					

Photo 2 of 2 : FA_2019_NA0010_118_130_20190912_00034.jpg



View of tilling from toe looking towards the levee. (Fall 2018)

LM Start	22.06	Rating **	M	Issue No.	142
LM End	22.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.172093 °	37.167001 °
				-120.754627 °	-120.750128 °
DWR ID	DWR_NA0010_01_f_2019_142				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	22.06	Rating **	U	Issue No.	22
LM End	22.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.172074°	37.166906°
				-120.754628°	-120.749962°
DWR ID	DWR_NA0010_01_s_2012_22				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch has encroached into landside toe and slope.					

Photo 1 of 3 : FA_2019_NA0010_118_22_20190912_00011.jpg



Looking downstream at irrigation ditch at LM 22.06

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	22.06	Rating **	U	Issue No.	22 (cont)	
LM End	22.52	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.172074 °	37.166906 °	
				-120.754628 °	-120.749962 °	
DWR ID	DWR_NA0010_01_s_2012_22					
Comment Code						
DT : Ditch						
Inspector Comment						
Ditch has encroached into landside toe and slope.						

Photo 2 of 3 : FA_2019_NA0010_118_22_20190912_00012.jpg



Looking downstream at irrigation ditch at landside toe.

LM Start	22.06	Rating **	U	Issue No.	22 (cont)
LM End	22.52	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2019_NA0010_118_22_20190912_00013.jpg



Looking upstream at irrigation at landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	22.12	Rating **	M	Issue No.	1268
LM End	22.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID	19605				
Comment Code					
Inspector Comment					
DS_ID:19605 FS_ID:39273 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Non-functional crossing--landward side is buried. Need to contact owner to determine status. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Wooden headboards on the landside (LS) end. Brass cap No. 31 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.13)]. FS Date: 4/25/2014					

LM Start	22.12	Rating **	M	Issue No.	1268 (cont)
LM End	22.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39273_65709.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39273_65707.jpg



Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/21/2019 10/22/2019	Corey Fujitani

LM Start	22.12	Rating **	M	Issue No.	1268 (cont)	
LM End	22.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.171181 °	37.171181 °	
				-120.754526 °	-120.754526 °	
DWR ID	19605					
Comment Code						
Inspector Comment						
DS_ID:19605 FS_ID:39273 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Non-functional crossing--landward side is buried. Need to contact owner to determine status. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Wooden headboards on the landside (LS) end. Brass cap No. 31 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.13)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39273_65708.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02A San Joaquin River			Left	7.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/25/2019 - 3/29/2019		10/23/2019 - 10/23/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	23
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296237 °	37.283668 °
				-120.880371 °	-120.844968 °
DWR ID	DWR_NA0010_02A_f _ 2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_119_23_20191107_00066.jpg



View of landside slope looking downstream. (Fall 2019)

LM Start	0.02	Rating **	M	Issue No.	22
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296236 °	37.291740 °
				-120.880371 °	-120.851650 °
DWR ID	DWR_NA0010_02A_f_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_119_22_20191107_00067.jpg



View of waterside slope looking downstream. (Fall 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	37	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.293440 °		37.293440 °
				-120.878978 °		-120.878978 °
DWR ID	19652					
Comment Code						
Inspector Comment						
DS_ID:19652						
FS_ID:36503						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 139 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.24)].						
FS Date: 5/1/2014						

LM Start	0.23	Rating **	M	Issue No.	37 (cont)
LM End	0.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36503_66102.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_36503_66101.jpg



Fence along waterward side. No headwall was found on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	37 (cont)	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.293440 °		37.293440 °
				-120.878978 °		-120.878978 °
DWR ID	19652					
Comment Code						
Inspector Comment						
DS_ID:19652						
FS_ID:36503						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 139 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.24)].						
FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36503_66100.jpg



View of landward side.

LM Start	0.46	Rating **	M	Issue No.	25
LM End	1.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.290717 °	37.286236 °
				-120.876604 °	-120.867367 °
DWR ID	DWR_NA0010_02A_f_2019_25				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.66	Rating **	M	Issue No.	38	
LM End	0.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.288087 °		37.288087 °
				-120.874919 °		-120.874919 °
DWR ID	19653					
Comment Code						
Inspector Comment						
DS_ID:19653 FS_ID:36504 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 138 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.67)]. FS Date: 5/1/2014						

LM Start	0.66	Rating **	M	Issue No.	38 (cont)
LM End	0.66	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36504_66106.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_36504_66105.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.66	Rating **	M	Issue No.	38 (cont)	
LM End	0.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.288087 °		37.288087 °
				-120.874919 °		-120.874919 °
DWR ID	19653					
Comment Code						
Inspector Comment						
DS_ID:19653 FS_ID:36504 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 138 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.67)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36504_66104.jpg



Concrete headwall found on landward side.

LM Start	0.71	Rating **	U	Issue No.	5
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.287517 °	37.286543 °
				-120.874583 °	-120.873935 °
DWR ID	DWR_NA0010_02A_s_2012_5				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This levee unit is in the process of being turned over to State Parks.					

Photo 1 of 4 : FA_2019_NA0010_119_5_20190912_00008.jpg



Looking upstream at erosion Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.71	Rating **	U	Issue No.	5 (cont)	
LM End	0.78	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.287517 °		37.286543 °
				-120.874583 °		-120.873935 °
DWR ID	DWR_NA0010_02A_s_2012_5					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
This levee unit is in the process of being turned over to State Parks.						

Photo 2 of 4 : FA_2019_NA0010_119_5_20190912_00007.jpg



Looking north at erosion on waterward slope. (Fall 2014)

LM Start	0.71	Rating **	U	Issue No.	5 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA_2019_NA0010_119_5_20190912_00006.jpg



Looking north at large erosion on waterward slope. (Fall 2013)

LM Start	0.71	Rating **	U	Issue No.	5 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2019_NA0010_119_5_20190912_00005.jpg



Looking south at large erosion on waterside slope. (Spring 2012)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.01	Rating **	M	Issue No.	39	
LM End	1.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.284889 °	37.284889 °	
				-120.871352 °	-120.871352 °	
DWR ID	19654					
Comment Code						
Inspector Comment						
DS_ID:19654 FS_ID:39363 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 137 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.02)]. FS Date: 5/1/2014						

LM Start	1.01	Rating **	M	Issue No.	39 (cont)
LM End	1.01	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39363_66113.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39363_66112.jpg



Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	40 (cont)
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.286118°	37.286118°
				-120.868167°	-120.868167°
DWR ID	19655				

Comment Code

Inspector Comment

DS_ID:19655
FS_ID:36506
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 136 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.22)].
FS Date: 5/1/2014

LM Start	1.21	Rating **	M	Issue No.	40 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36506_66117.jpg



Flap gate visible on waterward side.

Photo 3 of 3 : UCIP_FA_2019_36506_66116.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.33	Rating **	M	Issue No.	41	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.286463 °	37.286463 °	
				-120.865997 °	-120.865997 °	
DWR ID	19656					
Comment Code						
Inspector Comment						
DS_ID:19656						
FS_ID:36507						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36507_66120.jpg



View of landward side.

LM Start	1.33	Rating **	M	Issue No.	41 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36507_66119.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.33	Rating **	M	Issue No.	41 (cont)	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.286463 °		37.286463 °
				-120.865997 °		-120.865997 °
DWR ID	19656					
Comment Code						
Inspector Comment						
DS_ID:19656 FS_ID:36507 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36507_66118.jpg



Flap gate and concrete apron visible on waterward side.

LM Start	1.61	Rating **	M	Issue No.	42	
LM End	1.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.288599 °		37.288599 °
				-120.862007 °		-120.862007 °
DWR ID	19657					
Comment Code						
Inspector Comment						
DS_ID:19657						
FS_ID:36508						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's						
visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct						
proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 10.2 feet below the crown. Flap gate on the						
waterside (WS) end. Brass cap No. 135 bench mark (BM) on the						
headwall on the landside (LS). [Additional Reference(s): DWR Levee						
Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.62)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36508_66124.jpg



Overview of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.61	Rating **	M	Issue No.	42 (cont)	
LM End	1.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.288599 °	37.288599 °	
				-120.862007 °	-120.862007 °	
DWR ID	19657					
Comment Code						
Inspector Comment						
DS_ID:19657 FS_ID:36508 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.62)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36508_66123.jpg



Dense vegetation along levee slope and toe.

LM Start	1.61	Rating **	M	Issue No.	42 (cont)
LM End	1.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36508_66122.jpg



Enter photo 3 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	24
LM End	2.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.289680 °	37.292361 °
				-120.860869 °	-120.853384 °
DWR ID	DWR_NA0010_02A_f _ 2019_24				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	1.85	Rating **	M	Issue No.	43	
LM End	1.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.290836 °	37.290836 °	
				-120.858882 °	-120.858882 °	
DWR ID	19658					
Comment Code						
Inspector Comment						
DS_ID:19658 FS_ID:36509 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.86)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36509_66129.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.85	Rating **	M	Issue No.	43 (cont)	
LM End	1.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.290836 °	37.290836 °	
				-120.858882 °	-120.858882 °	
DWR ID	19658					
Comment Code						
Inspector Comment						
DS_ID:19658						
FS_ID:36509						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.86)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36509_66128.jpg



Concrete headwall visible on landward side.

LM Start	1.85	Rating **	M	Issue No.	43 (cont)
LM End	1.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36509_66127.jpg



Inside view of pipe from landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.28	Rating **	M	Issue No.	44	
LM End	2.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.291686 °	37.291686 °	
				-120.851475 °	-120.851475 °	
DWR ID	19659					
Comment Code						
Inspector Comment						
DS_ID:19659						
FS_ID:36510						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.30)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36510_66133.jpg



View of landward side.

LM Start	2.28	Rating **	M	Issue No.	44 (cont)
LM End	2.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36510_66132.jpg



Concrete headwall visible on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.28	Rating **	M	Issue No.	44 (cont)	
LM End	2.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.291686 °		37.291686 °
				-120.851475 °		-120.851475 °
DWR ID	19659					
Comment Code						
Inspector Comment						
DS_ID:19659						
FS_ID:36510						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.30)].						
FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36510_66131.jpg



View of pipe through levee visible on waterward side.

LM Start	2.30	Rating **	M	Issue No.	45	
LM End	2.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.291532 °		37.291532 °
				-120.851203 °		-120.851203 °
DWR ID	19660					
Comment Code						
Inspector Comment						
DS_ID:19660						
FS_ID:36511						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.32)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36511_66137.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.30	Rating **	M	Issue No.	45 (cont)	
LM End	2.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.291532 °	37.291532 °	
				-120.851203 °	-120.851203 °	
DWR ID	19660					
Comment Code						
Inspector Comment						
DS_ID:19660						
FS_ID:36511						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.32)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36511_66136.jpg



Flap gate visible on waterward side.

LM Start	2.30	Rating **	M	Issue No.	45 (cont)
LM End	2.30	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36511_66138.jpg



Overview of landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.32	Rating **	M	Issue No.	2
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.291433 °	37.291433 °
				-120.850917 °	-120.850917 °
DWR ID	DWR_NA0010_02A_s_2012_2				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramps are located on the landside and waterside slopes.					

Photo 1 of 4 : FA_2019_NA0010_119_2_20190912_00001.jpg



Looking northeast at unauthorized ramp on landward slope.

LM Start	2.32	Rating **	M	Issue No.	2 (cont)
LM End	2.32	Issue Type +	En	Location *	LS

Photo 2 of 4 : FA_2019_NA0010_119_2_20190912_00002.jpg



LM Start	2.32	Rating **	M	Issue No.	2 (cont)
LM End	2.32	Issue Type +	En	Location *	LS

Photo 3 of 4 : FA_2019_NA0010_119_2_20190912_00003.jpg



Looking northwest at unauthorized ramp on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.32	Rating **	M	Issue No.	2 (cont)	
LM End	2.32	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.291433 °	37.291433 °	
				-120.850917 °	-120.850917 °	
DWR ID	DWR_NA0010_02A_s_2012_2					
Comment Code						
RA : Ramp						
Inspector Comment						
Unauthorized ramps are located on the landside and waterside slopes.						

Photo 4 of 4 : FA_2019_NA0010_119_2_20190912_00004.jpg



Looking at ramp on landward slope. (Fall 2016)

LM Start	2.58	Rating **	M	Issue No.	46
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.289487 °	37.289487 °
				-120.846941 °	-120.846941 °
DWR ID	19661				
Comment Code					
Inspector Comment					
DS_ID:19661 FS_ID:36512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.59)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP_FA_2019_36512_66142.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.58	Rating **	M	Issue No.	46 (cont)	
LM End	2.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.289487 °		37.289487 °
				-120.846941 °		-120.846941 °
DWR ID	19661					
Comment Code						
Inspector Comment						
DS_ID:19661						
FS_ID:36512						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.59)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36512_66141.jpg



Concrete headwall visible on landward side.

LM Start	2.58	Rating **	M	Issue No.	46 (cont)
LM End	2.58	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36512_66140.jpg



Non-functional crossing concrete headwall and inlet buried on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.62	Rating **	C	Issue No.	36
LM End	2.62	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.288969 °	37.288969 °
				-120.846579 °	-120.846579 °
DWR ID	DWR_NA0010_02A_s_2019_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.95	Rating **	M	Issue No.	47	
LM End	2.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.284326 °		37.284326 °
				-120.845157 °		-120.845157 °
DWR ID	19662					
Comment Code						
Inspector Comment						
DS_ID:19662						
FS_ID:36513						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.96)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36513_66145.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.95	Rating **	M	Issue No.	47 (cont)	
LM End	2.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.284326 °		37.284326 °
				-120.845157 °		-120.845157 °
DWR ID	19662					
Comment Code						
Inspector Comment						
DS_ID:19662 FS_ID:36513 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.96)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36513_66144.jpg



Flap gate visible on waterward side.

LM Start	2.95	Rating **	M	Issue No.	47 (cont)
LM End	2.95	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36513_66149.jpg



View of slope on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	3.28	Rating **	M	Issue No.	48	
LM End	3.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.279656 °	37.279656 °	
				-120.844795 °	-120.844795 °	
DWR ID	19665					
Comment Code						
Inspector Comment						
DS_ID:19665						
FS_ID:36514						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36514_66151.jpg



View of waterward side.

LM Start	3.28	Rating **	M	Issue No.	48 (cont)
LM End	3.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36514_66153.jpg



Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	3.28	Rating **	M	Issue No.	48 (cont)	
LM End	3.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.279656 °		37.279656 °
				-120.844795 °		-120.844795 °
DWR ID	19665					
Comment Code						
Inspector Comment						
DS_ID:19665 FS_ID:36514 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36514_66152.jpg



View of landward side.

LM Start	3.61	Rating **	M	Issue No.	49	
LM End	3.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.278203 °		37.278203 °
				-120.839884 °		-120.839884 °
DWR ID	19666					
Comment Code						
Inspector Comment						
DS_ID:19666						
FS_ID:36515						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.62)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36515_66155.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	3.61	Rating **	M	Issue No.	49 (cont)	
LM End	3.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.278203 °		37.278203 °
				-120.839884 °		-120.839884 °
DWR ID	19666					
Comment Code						
Inspector Comment						
DS_ID:19666						
FS_ID:36515						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.62)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36515_66154.jpg



Flap gate visible on waterward side.

LM Start	3.61	Rating **	M	Issue No.	49 (cont)
LM End	3.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36515_66156.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	3.94	Rating **	M	Issue No.	50	
LM End	3.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.279704 °	37.279704 °	
				-120.834709 °	-120.834709 °	
DWR ID	19667					
Comment Code						
Inspector Comment						
DS_ID:19667 FS_ID:39364 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Signs of erosion or sink hole present on landward toe--Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.95)]. FS Date: 5/1/2014						

LM Start	3.94	Rating **	M	Issue No.	50 (cont)
LM End	3.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39364_66161.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2019_39364_66160.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	3.94	Rating **	M	Issue No.	50 (cont)							
LM End	3.94	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		37.279704 °	37.279704 °								
			-120.834709 °	-120.834709 °								
DWR ID	19667											
Comment Code												
Inspector Comment												
DS_ID:19667 FS_ID:39364 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Signs of erosion or sink hole present on landward toe--Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.95)]. FS Date: 5/1/2014												

Photo 3 of 3 : UCIP_FA_2019_39364_66159.jpg



Flap gate and concrete headwall visible through dense vegetation.

LM Start	5.41	Rating **	M	Issue No.	51							
LM End	5.41	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		37.260069 °	37.260069 °								
			-120.831768 °	-120.831768 °								
DWR ID	19668											
Comment Code												
Inspector Comment												
DS_ID:19668 FS_ID:36517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.43)]. FS Date: 5/1/2014												

Photo 1 of 3 : UCIP_FA_2019_36517_66167.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	5.41	Rating **	M	Issue No.	51 (cont)	
LM End	5.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.260069 °		37.260069 °
				-120.831768 °		-120.831768 °
DWR ID	19668					
Comment Code						
Inspector Comment						
DS_ID:19668 FS_ID:36517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.43)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36517_66166.jpg



Flap gate visible on waterward side.

LM Start	5.41	Rating **	M	Issue No.	51 (cont)
LM End	5.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36517_66165.jpg



View of waterward slope covered by vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	6.03	Rating **	M	Issue No.	52	
LM End	6.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.253527 °	37.253527 °	
				-120.823991 °	-120.823991 °	
DWR ID	19669					
Comment Code						
Inspector Comment						
DS_ID:19669 FS_ID:36518 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.06)]. FS Date: 5/1/2014						

Photo 1 of 2 : UCIP_FA_2019_36518_66171.jpg



View of landward side.

LM Start	6.03	Rating **	M	Issue No.	52 (cont)
LM End	6.03	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_36518_66170.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	53	
LM End	6.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.248210 °		37.248210 °
				-120.823120 °		-120.823120 °
DWR ID	19670					
Comment Code						
Inspector Comment						
DS_ID:19670						
FS_ID:36519						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.50)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36519_66173.jpg



View of waterward side.

LM Start	6.47	Rating **	M	Issue No.	53 (cont)
LM End	6.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36519_66172.jpg



Crossing and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	53 (cont)	
LM End	6.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.248210 °		37.248210 °
				-120.823120 °		-120.823120 °
DWR ID	19670					
Comment Code						
Inspector Comment						
DS_ID:19670 FS_ID:36519 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.50)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36519_66174.jpg



Overview of levee crown and landward slope.

LM Start	6.97	Rating **	M	Issue No.	28
LM End	6.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.241125 °	37.241125 °
				-120.821747 °	-120.821747 °
DWR ID	DWR_NA0010_02A_f_2017_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_119_28_20190912_00009.jpg



Looking northwest at landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	7.02	Rating **	M	Issue No.	54
LM End	7.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.240333 °	37.240333 °
				-120.821490 °	-120.821490 °
DWR ID	19671				

Comment Code

Inspector Comment

DS_ID:19671
FS_ID:39365
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Pipe extension visible on landward side-- need to contact owner for additional information about extension/modification. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.05)].
FS Date: 5/1/2014

LM Start	7.02	Rating **	M	Issue No.	54 (cont)
LM End	7.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39365_66178.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2019_39365_66177.jpg



Pipe extension visible on landward side attached to inlet at concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	7.02	Rating **	M	Issue No.	54 (cont)	
LM End	7.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.240333 °	37.240333 °	
				-120.821490 °	-120.821490 °	
DWR ID	19671					
Comment Code						
Inspector Comment						
DS_ID:19671 FS_ID:39365 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Pipe extension visible on landward side--need to contact owner for additional information about extension/modification. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.05)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39365_66176.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	7.74	Rating **	M	Issue No.	55	
LM End	7.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.232650 °		37.232650 °
				-120.813363 °		-120.813363 °
DWR ID	19673					
Comment Code						
Inspector Comment						
DS_ID:19673						
FS_ID:36521						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.77)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36521_66183.jpg



View of waterward side.

LM Start	7.74	Rating **	M	Issue No.	55 (cont)
LM End	7.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36521_66182.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/23/2019 10/23/2019	Corey Fujitani

LM Start	7.74	Rating **	M	Issue No.	55 (cont)	
LM End	7.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.232650 °		37.232650 °
				-120.813363 °		-120.813363 °
DWR ID	19673					
Comment Code						
Inspector Comment						
DS_ID:19673						
FS_ID:36521						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.77)].						
FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36521_66181.jpg



View of waterward side--photo taken from levee toe looking towards alignment of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02B San Joaquin River			Left	5.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/29/2019 - 3/29/2019		10/23/2019 - 10/23/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	7.87	Rating **	M	Issue No.	16
LM End	8.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.231209 °	37.221054 °
				-120.811764 °	-120.796934 °
DWR ID	DWR_NA0010_02B_f_2016_16				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Rutting caused by excessive speeds on levee crown.					

No Photos

LM Start	8.13	Rating **	M	Issue No.	28	
LM End	8.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.228343 °	37.228343 °	
				-120.808789 °	-120.808789 °	
DWR ID	19674					
Comment Code						
Inspector Comment						
DS_ID:19674						
FS_ID:39366						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope and landward headwall. Recommend removing vegetation along pipe alignment and toe to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.16)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_39366_66184.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	28 (cont)	
LM End	8.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.228343 °	37.228343 °	
				-120.808789 °	-120.808789 °	
DWR ID	19674					
Comment Code						
Inspector Comment						
DS_ID:19674 FS_ID:39366 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope and landward headwall. Recommend removing vegetation along pipe alignment and toe to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.16)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2019_39366_66185.jpg



Overview of levee crown at crossing.

LM Start	8.13	Rating **	M	Issue No.	28 (cont)
LM End	8.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39366_66186.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	29	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.225241 °	37.225241 °	
				-120.804286 °	-120.804286 °	
DWR ID	19675					
Comment Code						
Inspector Comment						
DS_ID:19675 FS_ID:39367 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation on landward toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward slope. Recommend removing vegetation along pipe alignment toe to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.48)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_39367_66195.jpg



View of landward side.

LM Start	8.46	Rating **	M	Issue No.	29 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39367_66193.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	29 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.225241 °	37.225241 °	
				-120.804286 °	-120.804286 °	
DWR ID	19675					
Comment Code						
Inspector Comment						
DS_ID:19675 FS_ID:39367 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation on landward toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward slope. Recommend removing vegetation along pipe alignment toe to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.48)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2019_39367_66194.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	8.83	Rating **	M	Issue No.	30
LM End	8.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.222271 °	37.222271 °
				-120.798705 °	-120.798705 °
DWR ID	19676				
Comment Code					
Inspector Comment					
DS_ID:19676 FS_ID:42503 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Burrow activity presen on waterward slope. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 9.86 should be 8.86)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2019_42503_66200.jpg



View of landward side.

LM Start	8.83	Rating **	M	Issue No.	30 (cont)
LM End	8.83	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_42503_66199.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	8.83	Rating **	M	Issue No.	30 (cont)	
LM End	8.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.222271 °	37.222271 °	
				-120.798705 °	-120.798705 °	
DWR ID	19676					
Comment Code						
Inspector Comment						
DS_ID:19676 FS_ID:42503 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Burrow activity presen on waterward slope. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 9.86 should be 8.86)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2019_42503_66201.jpg



View of waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.00	Rating **	M	Issue No.	31	
LM End	9.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220888 °		37.220888 °
				-120.796394 °		-120.796394 °
DWR ID	19677					
Comment Code						
Inspector Comment						
DS_ID:19677 FS_ID:36525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.02)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_36525_66208.jpg



View of waterward side--pipe and flap gate visible.

LM Start	9.00	Rating **	M	Issue No.	31 (cont)
LM End	9.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36525_66207.jpg



View of flap gate visible from waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.00	Rating **	M	Issue No.	31 (cont)	
LM End	9.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220888 °		37.220888 °
				-120.796394 °		-120.796394 °
DWR ID	19677					
Comment Code						
Inspector Comment						
DS_ID:19677 FS_ID:36525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.02)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2019_36525_66206.jpg



View of landward side.

LM Start	9.17	Rating **	M	Issue No.	32	
LM End	9.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220520 °		37.220520 °
				-120.793277 °		-120.793277 °
DWR ID	19678					
Comment Code						
Inspector Comment						
DS_ID:19678						
FS_ID:40443						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's						
visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct						
proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 8 feet below the crown. Flap gate on the waterside						
(WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 9.20)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_40443_66211.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.17	Rating **	M	Issue No.	32 (cont)	
LM End	9.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.220520 °	37.220520 °	
				-120.793277 °	-120.793277 °	
DWR ID	19678					
Comment Code						
Inspector Comment						
DS_ID:19678 FS_ID:40443 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.20)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2019_40443_66210.jpg



View of waterward side.

LM Start	9.17	Rating **	M	Issue No.	32 (cont)
LM End	9.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_40443_66209.jpg



Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.42	Rating **	M	Issue No.	17
LM End	9.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.220199°	37.220199°
				-120.788748°	-120.788748°
DWR ID	DWR_NA0010_02B_f_2016_17				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim back dead tree limbs on landside toe.					

Photo 1 of 2 : FA_2019_NA0010_120_17_20190912_00006.jpg



View of dead branches on landside toe. (Fall 2018)

LM Start	9.42	Rating **	M	Issue No.	17 (cont)
LM End	9.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_120_17_20190912_00005.jpg



Looking north at broken tree limbs and branches on landward slope. (Spring 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.43	Rating **	M	Issue No.	33	
LM End	9.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220227 °		37.220227 °
				-120.788634 °		-120.788634 °
DWR ID	19686					
Comment Code						
Inspector Comment						
DS_ID:19686						
FS_ID:36527						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.46)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_36527_66217.jpg



View of landward side.

LM Start	9.43	Rating **	M	Issue No.	33 (cont)
LM End	9.43	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36527_66216.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.43	Rating **	M	Issue No.	33 (cont)	
LM End	9.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220227 °		37.220227 °
				-120.788634 °		-120.788634 °
DWR ID	19686					
Comment Code						
Inspector Comment						
DS_ID:19686 FS_ID:36527 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.46)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2019_36527_66215.jpg



Concrete headwall visible on landward side.

LM Start	9.44	Rating **	M	Issue No.	19
LM End	9.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.220281 °	37.219048 °
				-120.788429 °	-120.784360 °
DWR ID	DWR_NA0010_02B_f_2019_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_120_19_20191107_00050.jpg



View of the waterside slope looking upstream. (Fall 2019)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	9.90	Rating **	M	Issue No.	20
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.216923 °	37.216923 °
				-120.784007 °	-120.784007 °
DWR ID	DWR_NA0010_02B_f_2019_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dead tree limb hanging on landside toe.					

Photo 1 of 1 : FA_2019_NA0010_120_20_20191107_00048.jpg



View of broken tree limb hanging over landside slope and toe. (Fall 2019)

LM Start	10.09	Rating **	M	Issue No.	34
LM End	10.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.214229 °	37.214229 °
				-120.784350 °	-120.784350 °
DWR ID	19687				
Comment Code					
Inspector Comment					
DS_ID:19687 FS_ID:36528 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.12)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2019_36528_66224.jpg



Overview of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	10.09	Rating **	M	Issue No.	34 (cont)	
LM End	10.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.214229 °	37.214229 °	
				-120.784350 °	-120.784350 °	
DWR ID	19687					
Comment Code						
Inspector Comment						
DS_ID:19687						
FS_ID:36528						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.12)].						
FS Date: 5/14/2014						

LM Start	10.09	Rating **	M	Issue No.	34 (cont)
LM End	10.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36528_66226.jpg



View of waterward slope.

Photo 3 of 3 : UCIP_FA_2019_36528_66222.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	10.76	Rating **	M	Issue No.	23
LM End	11.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.206422°	37.204453°
				-120.777973°	-120.771346°
DWR ID	DWR_NA0010_02B_f_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.78	Rating **	M	Issue No.	35	
LM End	10.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.206352°	37.206352°	
				-120.777634°	-120.777634°	
DWR ID	19688					
Comment Code						
Inspector Comment						
DS_ID:19688						
FS_ID:42504						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's						
visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct						
proper inspection of structure. Sediment buildup in pipe visible on						
landward side--recommend clearing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 8 feet below the crown. Flap gate on the waterside						
(WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 10.81)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_42504_66231.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	10.78	Rating **	M	Issue No.	35 (cont)	
LM End	10.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.206352°	37.206352°	
				-120.777634°	-120.777634°	
DWR ID	19688					
Comment Code						
Inspector Comment						
DS_ID:19688 FS_ID:42504 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.81)]. FS Date: 5/14/2014						

LM Start	10.78	Rating **	M	Issue No.	35 (cont)
LM End	10.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_42504_66232.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2019_42504_66234.jpg



View of pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	10.94	Rating **	M	Issue No.	14
LM End	10.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.205711 °	37.205711 °
				-120.774741 °	-120.774741 °
DWR ID	DWR_NA0010_02B_f_2015_14				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from landside toe.					

Photo 1 of 2 : FA_2019_NA0010_120_14_20190912_00003.jpg



Prunings at landside toe. (Fall 2018)

LM Start	10.94	Rating **	M	Issue No.	14 (cont)
LM End	10.94	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_120_14_20190912_00004.jpg



Looking at prunings on landward slope. (Spring 2018)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	11.14	Rating **	M	Issue No.	36
LM End	11.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.204640 °	37.204640 °
				-120.771564 °	-120.771564 °
DWR ID	19689				
Comment Code					
Inspector Comment					
DS_ID:19689 FS_ID:36530 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.17)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2019_36530_66236.jpg



View of landward slope.

LM Start	11.14	Rating **	M	Issue No.	36 (cont)
LM End	11.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36530_66235.jpg



Slide gate visible on landward side blocked by vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	11.14	Rating **	M	Issue No.	36 (cont)	
LM End	11.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.204640 °		37.204640 °
				-120.771564 °		-120.771564 °
DWR ID	19689					
Comment Code						
Inspector Comment						
DS_ID:19689						
FS_ID:36530						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.17)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2019_36530_66238.jpg



View of waterward side.

LM Start	11.39	Rating **	U	Issue No.	21
LM End	11.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.201839 °	37.201839 °
				-120.768489 °	-120.768489 °
DWR ID	DWR_NA0010_02B_f_2018_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion occurring into the landside slope of levee.					

Photo 1 of 2 : FA_2019_NA0010_120_21_20190912_00007.jpg



Erosion into landside slope. Looking upstream. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	11.39	Rating **	U	Issue No.	21 (cont)	
LM End	11.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.201839 °		37.201839 °
				-120.768489 °		-120.768489 °
DWR ID	DWR_NA0010_02B_f _ 2018_21					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion occurring into the landside slope of levee.						

Photo 2 of 2 : FA_2019_NA0010_120_21_20190912_00008.jpg



View of erosion site looking down landside slope. (Fall 2018)

LM Start	11.40	Rating **	M	Issue No.	37	
LM End	11.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.201792 °		37.201792 °
				-120.768462 °		-120.768462 °
DWR ID	19690					
Comment Code						
Inspector Comment						
DS_ID:19690 FS_ID:36531 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Screw gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.43)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2019_36531_66241.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	11.40	Rating **	M	Issue No.	37 (cont)	
LM End	11.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.201792 °	37.201792 °	
				-120.768462 °	-120.768462 °	
DWR ID	19690					
Comment Code						
Inspector Comment						
DS_ID:19690 FS_ID:36531 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Screw gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.43)]. FS Date: 5/14/2014						

LM Start	11.40	Rating **	M	Issue No.	37 (cont)
LM End	11.40	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36531_66240.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2019_36531_66239.jpg



Flap gate visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	11.77	Rating **	M	Issue No.	24
LM End	13.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.196888 °	37.179656 °
				-120.766995 °	-120.765136 °
DWR ID	DWR_NA0010_02B_f_2019_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_120_24_20191107_00049.jpg



View of vegetation along the landside slope looking upstream. (Fall 2019)

LM Start	12.21	Rating **	M	Issue No.	1
LM End	12.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.191528 °	37.191528 °
				-120.764541 °	-120.764541 °
DWR ID	DWR_NA0010_02B_f_2014_1				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree limbs are located on the landside slope.					

Photo 1 of 2 : FA_2019_NA0010_120_1_20190912_00001.jpg



Looking northwest at tree limb on landward slope.

LM Start	12.21	Rating **	M	Issue No.	1 (cont)
LM End	12.21	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_120_1_20190912_00002.jpg



Looking southwest at tree limb on landward slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	12.85	Rating **	M	Issue No.	26
LM End	13.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.183428°	37.174151°	
			-120.767713°	-120.760968°	
DWR ID	DWR_NA0010_02B_f_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.18	Rating **	M	Issue No.	38
LM End	13.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.179265°	37.179265°	
			-120.764870°	-120.764870°	
DWR ID	19663				
Comment Code					
Inspector Comment					
DS_ID:19663 FS_ID:39370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 13.32 should be 13.22)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2019_39370_66245.jpg



View of landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	13.18	Rating **	M	Issue No.	38 (cont)	
LM End	13.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.179265 °	37.179265 °	
				-120.764870 °	-120.764870 °	
DWR ID	19663					
Comment Code						
Inspector Comment						
DS_ID:19663 FS_ID:39370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 13.32 should be 13.22)]. FS Date: 5/14/2014						

LM Start	13.18	Rating **	M	Issue No.	38 (cont)
LM End	13.18	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39370_66244.jpg



Overview of landward slope.

Photo 3 of 3 : UCIP_FA_2019_39370_66243.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	13.65	Rating **	M	Issue No.	27
LM End	13.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.173616 °	37.172335 °
				-120.761033 °	-120.761170 °
DWR ID	DWR_NA0010_02B_f _ 2019_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	13.67	Rating **	M	Issue No.	39
LM End	13.67	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.173327 °	37.173327 °
				-120.761055 °	-120.761055 °
DWR ID	19664				
Comment Code					
Inspector Comment					
DS_ID:19664 FS_ID:39891 EP_NO: 14138 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete cutoff wall at the centerline of the pipe. Flap gate on the landside (LS) end. Screw gate on the waterside (WS) end with accessible walkway. (Plans to install a 24-inch reinforced concrete pipe through the levee authorized under Permit No. 14138, 1985 - United States Fish and Wildlife Service). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 5/14/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/23/2019 10/23/2019	Corey Fujitani

LM Start	13.73	Rating **	M	Issue No.	22 (cont)
LM End	13.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.172387°	37.172387°
				-120.761190°	-120.761190°
DWR ID	DWR_NA0010_02B_f_2018_22				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent burrows observed at this location.					

Photo 2 of 2 : FA_2019_NA0010_120_22_20190912_00010.jpg



Representative view of rodent burrows. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River			Right	2.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/27/2019 - 3/27/2019		10/28/2019 - 10/28/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.19	Rating **	M	Issue No.	67
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.109013 °	37.109013 °
				-120.587799 °	-120.587799 °
DWR ID	DWR_NA0010_03_s_2015_67				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are noted on the landside slope.					

Photo 1 of 1 : FA_2019_NA0010_121_67_20190912_00006.jpg



Looking southwest at the landside shoulder.

LM Start	0.37	Rating **	M	Issue No.	9
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106799°	37.106799°
				-120.586388°	-120.586388°
DWR ID	DWR_NA0010_03_f_2019_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.39	Rating **	M	Issue No.	8
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.106530 °	37.104879 °
				-120.586116 °	-120.584722 °
DWR ID	DWR_NA0010_03_f_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_121_8_20191107_00019.jpg



View of the landside slope and toe looking upstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.41	Rating **	M	Issue No.	16
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106310 °	37.106310 °
				-120.585859 °	-120.585859 °
DWR ID	DWR_NA0010_03_f_2018_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are located on land and water side of gate.					

No Photos

LM Start	0.42	Rating **	M	Issue No.	68
LM End	0.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.106233 °	37.106233 °
				-120.585797 °	-120.585797 °
DWR ID	19691				
Comment Code					
Inspector Comment					
DS_ID:19691 FS_ID:34083 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.43)]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_34083_61941.jpg



Concrete structure and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	68 (cont)	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.106233 °	37.106233 °	
				-120.585797 °	-120.585797 °	
DWR ID	19691					
Comment Code						
Inspector Comment						
DS_ID:19691 FS_ID:34083 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.43)]. FS Date: 4/17/2014						

Photo 2 of 3 : UCIP_FA_2019_34083_61940.jpg



View of waterward side.

LM Start	0.42	Rating **	M	Issue No.	68 (cont)
LM End	0.42	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34083_61944.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.43	Rating **	M	Issue No.	6
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.106121°	37.106121°
				-120.585680°	-120.585680°
DWR ID	DWR_NA0010_03_f_2017_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_121_6_20190912_00002.jpg



Looking east at the landside slope.

LM Start	0.68	Rating **	M	Issue No.	11
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.103499 °	37.095404 °
				-120.582675 °	-120.574911 °
DWR ID	DWR_NA0010_03_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Keep landside shoulder free of vegetation.					

Photo 1 of 1 : FA_2019_NA0010_121_11_20191107_00020.jpg

View of vegetation along the landside shoulder looking downstream.
(Fall 2019)

LM Start	0.73	Rating **	M	Issue No.	10
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.103287°	37.095135°
				-120.581961°	-120.574494°
DWR ID	DWR_NA0010_03_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.76	Rating **	A/W	Issue No.	69	
LM End	0.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.102964 °	37.102964 °	
				-120.581421 °	-120.581421 °	
DWR ID	19692					
Comment Code						
Inspector Comment						
DS_ID:19692 FS_ID:36534 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.77)]. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_36534_66248.jpg



View of waterward slope.

LM Start	0.76	Rating **	A/W	Issue No.	69 (cont)
LM End	0.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36534_66249.jpg



Concrete structure located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.76	Rating **	A/W	Issue No.	69 (cont)	
LM End	0.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.102964 °	37.102964 °	
				-120.581421 °	-120.581421 °	
DWR ID	19692					
Comment Code						
Inspector Comment						
DS_ID:19692						
FS_ID:36534						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.77)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36534_66251.jpg



View of landward slope.

LM Start	0.83	Rating **	M	Issue No.	7
LM End	0.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.102190 °	37.102190 °
				-120.580717 °	-120.580717 °
DWR ID	DWR_NA0010_03_f_2017_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_121_7_20190912_00003.jpg



Looking southeast at the waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	1.54	Rating **	A/W	Issue No.	65
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.094270 °	37.094270 °
				-120.573112 °	-120.573112 °
DWR ID	DWR_NA0010_03_s_2015_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.60	Rating **	C	Issue No.	12
LM End	1.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.093748 °	37.093347 °
				-120.572427 °	-120.572332 °
DWR ID	DWR_NA0010_03_f_2018_12				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					

No Photos

LM Start	1.67	Rating **	M	Issue No.	15
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.092774 °	37.089038 °
				-120.572336 °	-120.566963 °
DWR ID	DWR_NA0010_03_f_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	70	
LM End	1.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.092079 °	37.092079 °	
				-120.572316 °	-120.572316 °	
DWR ID	19693					
Comment Code						
Inspector Comment						
DS_ID:19693						
FS_ID:39371						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.72)].						
FS Date: 4/17/2014						

LM Start	1.71	Rating **	M	Issue No.	70 (cont)
LM End	1.71	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39371_66252.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_39371_66254.jpg



Concrete structure located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	70 (cont)	
LM End	1.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.092079 °	37.092079 °	
				-120.572316 °	-120.572316 °	
DWR ID	19693					
Comment Code						
Inspector Comment						
DS_ID:19693						
FS_ID:39371						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Sediment buildup in pipe visible from						
landward side--recommend clearing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 6.8 feet below the crown. Flap gate on the waterside						
(WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 1.72)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_39371_66253.jpg



View of waterward side--channel.

LM Start	1.74	Rating **	C	Issue No.	13
LM End	1.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.091698 °	37.090338 °
				-120.572058 °	-120.570537 °
DWR ID	DWR_NA0010_03_f_2018_13				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Landside slope has been cut in to by farming equipment.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	2.04	Rating **	M	Issue No.	71	
LM End	2.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.089394 °		37.089394 °
				-120.567731 °		-120.567731 °
DWR ID	19694					
Comment Code						
Inspector Comment						
DS_ID:19694 FS_ID:36543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner--additional appurtenances found on waterward side not part of original description. Unable to determine if walkway, pump, and pipe through waterward berm is if part of original crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation discharge pipe through the levee, 6.6 feet below the crown. Pump on the riverbank. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 4/17/2014						

LM Start	2.04	Rating **	M	Issue No.	71 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_36543_66281.jpg



Slide gate and concrete structure located on waterward slope.

Photo 2 of 3 : UCIP_FA_2019_36543_66282.jpg



View of walkway and berm on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	2.04	Rating **	M	Issue No.	71 (cont)	
LM End	2.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.089394 °		37.089394 °
				-120.567731 °		-120.567731 °
DWR ID	19694					
Comment Code						
Inspector Comment						
DS_ID:19694 FS_ID:36543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner--additional appurtenances found on waterward side not part of original description. Unable to determine if walkway, pump, and pipe through waterward berm is if part of original crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation discharge pipe through the levee, 6.6 feet below the crown. Pump on the riverbank. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36543_66280.jpg



Pump and damage walkway located on waterward side.

LM Start	2.05	Rating **	U	Issue No.	17
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.089329 °	37.089013 °
				-120.567586 °	-120.566940 °
DWR ID	DWR_NA0010_03_f_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_121_17_20191107_00021.jpg



Looking upstream along the landside slope. (Fall 2019)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/28/2019 10/28/2019	Corey Fujitani

LM Start	2.05	Rating **	U	Issue No.	5
LM End	2.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.089289 °	37.089289 °
				-120.567463 °	-120.567463 °
DWR ID	DWR_NA0010_03_s_2018_5				
Comment Code					
MA : Material					
Inspector Comment					
Two large concrete blocks are located on the landward toe.					

Photo 1 of 1 : FA_2019_NA0010_121_5_20190912_00001.jpg



Looking southwest at concrete blocks on landward toe. (Spring 2018)

LM Start	2.07	Rating **	U	Issue No.	14
LM End	2.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.089177 °	37.089070 °
				-120.567126 °	-120.566977 °
DWR ID	DWR_NA0010_03_f_2018_14				
Comment Code					
DE : Debris					
Inspector Comment					
Debris from ditch dredging left on landside slope.					

Photo 1 of 1 : FA_2019_NA0010_121_14_20190912_00005.jpg



View of debris from dredging left on landside slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 04 San Joaquin River			Left	1.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/27/2019 - 3/27/2019		10/28/2019 - 10/28/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.03	Rating **	M	Issue No.	14
LM End	0.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.112353 °	37.112353 °
				-120.589565 °	-120.589565 °
DWR ID	19977				
Comment Code					
Inspector Comment					
DS_ID:19977 FS_ID:40529 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 1 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_40529_61969.jpg



View of concrete structure located on landward side.

LM Start	0.03	Rating **	M	Issue No.	14 (cont)
LM End	0.03	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40529_61968.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.03	Rating **	M	Issue No.	14 (cont)	
LM End	0.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.112353 °	37.112353 °	
				-120.589565 °	-120.589565 °	
DWR ID	19977					
Comment Code						
Inspector Comment						
DS_ID:19977 FS_ID:40529 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 1 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_40529_61967.jpg



Concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	15	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.112348 °	37.112348 °	
				-120.589581 °	-120.589581 °	
DWR ID	24856					
Comment Code						
Inspector Comment						
DS_ID:24856 FS_ID:36875 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 2 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_36875_67308.jpg



View of concrete structure located on landward side.

LM Start	0.04	Rating **	M	Issue No.	15 (cont)
LM End	0.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_36875_67307.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	15 (cont)	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.112348 °	37.112348 °	
				-120.589581 °	-120.589581 °	
DWR ID	24856					
Comment Code						
Inspector Comment						
DS_ID:24856 FS_ID:36875 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 2 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36875_67306.jpg



Concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	16	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.112343 °	37.112343 °	
				-120.589601 °	-120.589601 °	
DWR ID	24857					
Comment Code						
Inspector Comment						
DS_ID:24857 FS_ID:36876 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 3 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_36876_67318.jpg



View of concrete structure located on landward side.

LM Start	0.04	Rating **	M	Issue No.	16 (cont)
LM End	0.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_36876_67317.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	16 (cont)	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.112343 °	37.112343 °	
				-120.589601 °	-120.589601 °	
DWR ID	24857					
Comment Code						
Inspector Comment						
DS_ID:24857 FS_ID:36876 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 3 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36876_67316.jpg



Concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	17
LM End	0.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.112336°	37.112336°
				-120.589624°	-120.589624°
DWR ID	24858				
Comment Code					
Inspector Comment					
DS_ID:24858 FS_ID:36877 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 4 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_36877_67328.jpg



View of concrete structure located on landward side.

LM Start	0.04	Rating **	M	Issue No.	17 (cont)
LM End	0.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_36877_67327.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	17 (cont)	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.112336 °	37.112336 °	
				-120.589624 °	-120.589624 °	
DWR ID	24858					
Comment Code						
Inspector Comment						
DS_ID:24858 FS_ID:36877 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 4 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36877_67326.jpg



Concrete headwall located on waterward side.

LM Start	0.07	Rating **	U	Issue No.	9
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112032 °	37.108940 °
				-120.589978 °	-120.590800 °
DWR ID	DWR_NA0010_04_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_122_9_20191107_00024.jpg



View of the landside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	18	
LM End	0.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.109933 °	37.109933 °	
				-120.590689 °	-120.590689 °	
DWR ID	19695					
Comment Code						
Inspector Comment						
DS_ID:19695 FS_ID:34093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Sediment and debris blocking concrete headwall located on waterward side. During inspection water was flowing from landward side to waterward side. Recommend removing sediment to confirm condition of flap gate and pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.27)]. FS Date: 4/17/2014						

LM Start	0.24	Rating **	M	Issue No.	18 (cont)
LM End	0.24	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34093_61982.jpg



View of dense vegetation near concrete headwall located on waterward side.

Photo 2 of 3 : UCIP_FA_2019_34093_61981.jpg



Sediment blocking flap gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	18 (cont)	
LM End	0.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.109933 °	37.109933 °	
				-120.590689 °	-120.590689 °	
DWR ID	19695					
Comment Code						
Inspector Comment						
DS_ID:19695 FS_ID:34093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Sediment and debris blocking concrete headwall located on waterward side. During inspection water was flowing from landward side to waterward side. Recommend removing sediment to confirm condition of flap gate and pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.27)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_34093_61980.jpg



View of waterward side.

LM Start	0.32	Rating **	M	Issue No.	3
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.108822 °	37.097556 °
				-120.590718 °	-120.578130 °
DWR ID	DWR_NA0010_04_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
An irrigation ditch is within 10' easement.					

Photo 1 of 3 : FA_2019_NA0010_122_3_20190912_00001.jpg



Looking north at irrigation ditch at landside toe.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.32	Rating **	M	Issue No.	3 (cont)	
LM End	1.41	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.108822°	37.097556°	
				-120.590718°	-120.578130°	
DWR ID	DWR_NA0010_04_s_2012_3					
Comment Code						
DT : Ditch						
Inspector Comment						
An irrigation ditch is within 10' easement.						

Photo 2 of 3 : FA_2019_NA0010_122_3_20190912_00002.jpg



Looking north at irrigation ditch at landward toe. (Fall 2013)

LM Start	0.32	Rating **	M	Issue No.	3 (cont)
LM End	1.41	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2019_NA0010_122_3_20190912_00003.jpg



Looking north at irrigation ditch at landside toe.

LM Start	0.48	Rating **	C	Issue No.	11
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106754 °	37.106754 °
				-120.589459 °	-120.589459 °
DWR ID	DWR_NA0010_04_f_2018_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes were observed in landside shoulder and slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	0.55	Rating **	A/W	Issue No.	8
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.105957°	37.105957°
				-120.588684°	-120.588684°
DWR ID	DWR_NA0010_04_f_2017_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.63	Rating **	M	Issue No.	10
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.105023°	37.102728°
				-120.587762°	-120.583817°
DWR ID	DWR_NA0010_04_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.87	Rating **	M	Issue No.	12
LM End	0.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.102899 °	37.102496 °
				-120.584430 °	-120.582997 °
DWR ID	DWR_NA0010_04_f_2019_12				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	1.19	Rating **	M	Issue No.	13
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.100024 °	37.097761 °	
			-120.580222 °	-120.578160 °	
DWR ID	DWR_NA0010_04_f_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.34	Rating **	M	Issue No.	19
LM End	1.34	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.095274 °	37.095274 °	
			-120.577959 °	-120.577959 °	
DWR ID	19975				
Comment Code					
Inspector Comment					
DS_ID:19975 FS_ID:40530 EP_NO: 3416 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm if crossing is still in use. Need to contact owner to confirm status. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe, encased in 6-inches of reinforced concrete through the levee. Concrete cutoff wall at center of levee. Pumping plant on the waterward bank. Pump and irrigation pipe retained under Permit No. 3416 (1964). FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_40530_61987.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/28/2019 10/28/2019	Corey Fujitani

LM Start	1.34	Rating **	M	Issue No.	19 (cont)	
LM End	1.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.095274 °	37.095274 °	
				-120.577959 °	-120.577959 °	
DWR ID	19975					
Comment Code						
Inspector Comment						
DS_ID:19975 FS_ID:40530 EP_NO: 3416 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm if crossing is still in use. Need to contact owner to confirm status. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe, encased in 6-inches of reinforced concrete through the levee. Concrete cutoff wall at center of levee. Pumping plant on the waterward bank. Pump and irrigation pipe retained under Permit No. 3416 (1964). FS Date: 4/17/2014						

LM Start	1.34	Rating **	M	Issue No.	19 (cont)
LM End	1.34	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40530_61988.jpg



Overview of waterward side and levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2019_40530_61986.jpg



Pump and walkway located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 05 East Side Bypass			Right	34.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/9/2019 - 4/10/2019		10/24/2019 - 10/29/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.01	Rating **	U	Issue No.	100
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.278964 °	37.252803 °
				-120.824218 °	-120.768252 °
DWR ID	DWR_NA0010_05_f_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_100_20191108_00323.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	0.08	Rating **	M	Issue No.	1310
LM End	0.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.278174 °	37.278174 °
				-120.823465 °	-120.823465 °
DWR ID	19756				
Comment Code					
Inspector Comment					
DS_ID:19756 FS_ID:39563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Debris blocking landward headwall-- recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_39563_60921.jpg



Pipe, flapgate, and concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.08	Rating **	M	Issue No.	1310 (cont)	
LM End	0.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.278174 °	37.278174 °	
				-120.823465 °	-120.823465 °	
DWR ID	19756					
Comment Code						
Inspector Comment						
DS_ID:19756 FS_ID:39563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Debris blocking landward headwall-- recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)]. FS Date: 4/9/2014						

LM Start	0.08	Rating **	M	Issue No.	1310 (cont)
LM End	0.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39563_60920.jpg



Pipe, flapgate, and concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39563_60922.jpg



Pipe and concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.18	Rating **	U	Issue No.	101
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.277368 °	37.261851 °
				-120.821927 °	-120.801916 °
DWR ID	DWR_NA0010_05_f_2019_101				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_101_20191108_00324.jpg



Looking upstream along the waterside slope. (Fall 2019)

LM Start	0.31	Rating **	U	Issue No.	1311	
LM End	0.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.276669 °	37.276669 °	
				-120.819755 °	-120.819755 °	
DWR ID	24867					
Comment Code						
Inspector Comment						
DS_ID:24867 FS_ID:53185 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Same as previous inspection, 1960s levee breach; degraded levee section that drops about 4 feet within a 100-foot levee section. Crossing remains Urgent due to the levee degradation at this location. (O. Magana - DWR UCIP)07/20/2016 same as previous inspection. Levee section at crossing has been degraded. According to LMA representative, Rick, the low point at crossing has been present for over 10 years when the pipe was replaced. (DWR UCIP - O. Magana)04/09/2014 Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 96-inch corrugated metal gravity drainage pipe through the levee, 4.5 feet below the crown. Pipe is composed of two materials: corrugated metal pipe (CMP) on the waterside (WS) and steel pipe on the landside (LS). This section of the levee is a degraded section that drops approximately 4 feet within 100 feet of length. This section of the levee is the site of the 1960s levee breach. [Additional Reference(s): USACE Periodic Inspection Report 2014, USACE_CESPK_L05A_2014_p_0014]. FS Date: 11/1/2018 12:48:00 PM						

Photo 1 of 3 : UCIP_FA_2019_53185_71469.jpg



Pipe through levee where levee has been degraded.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.31	Rating **	U	Issue No.	1311 (cont)
LM End	0.31	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.276669 °	37.276669 °	
			-120.819755 °	-120.819755 °	
DWR ID	24867				

Comment Code

Inspector Comment

DS_ID:24867
FS_ID:53185
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/01/2018 Same as previous inspection, 1960s levee breach; degraded levee section that drops about 4 feet within a 100-foot levee section. Crossing remains Urgent due to the levee degradation at this location. (O. Magana - DWR UCIP)07/20/2016 same as previous inspection. Levee section at crossing has been degraded. According to LMA representative, Rick, the low point at crossing has been present for over 10 years when the pipe was replaced. (DWR UCIP - O. Magana)04/09/2014 Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. (DWR UCIP - W. Wylie)
FIELD_STRUCT_DESC: 96-inch corrugated metal gravity drainage pipe through the levee, 4.5 feet below the crown. Pipe is composed of two materials: corrugated metal pipe (CMP) on the waterside (WS) and steel pipe on the landside (LS). This section of the levee is a degraded section that drops approximately 4 feet within 100 feet of length. This section of the levee is the site of the 1960s levee breach. [Additional Reference(s): USACE Periodic Inspection Report 2014, USACE_CESPK_L05A_2014_p_0014].
FS Date: 11/1/2018 12:48:00 PM

LM Start	0.31	Rating **	U	Issue No.	1311 (cont)
LM End	0.31	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53185_71467.jpg



Pipe on WS toe.

Photo 3 of 3 : UCIP_FA_2019_53185_71468.jpg



Pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.31	Rating **	M	Issue No.	1312	
LM End	0.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.276578 °	37.276578 °	
				-120.819793 °	-120.819793 °	
DWR ID	19557					
Comment Code						
Inspector Comment						
DS_ID:19557 FS_ID:53194 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/01/2018 24-inch corrugated metal pipe (CMP) section found during pipe inspection of dsid 24867 (see photos); according to LMA representative levee section is the location of levee breach from 1960s; 24-inch pipe was undersized and was replaced after levee breach with a 96-inch CMP and steel pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate on the waterside (WS) end. Large pipe found at this location. [Additional Reference(s): USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.30)]. FS Date: 4/9/2014						

Photo 1 of 3 : UCIP_FA_2019_53194_78592.jpg



Overview of degraded levee section.

LM Start	0.31	Rating **	M	Issue No.	1312 (cont)
LM End	0.31	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53194_78593.jpg



LS view: CMP section found on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.31	Rating **	M	Issue No.	1312 (cont)	
LM End	0.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.276578 °	37.276578 °	
				-120.819793 °	-120.819793 °	
DWR ID	19557					
Comment Code						
Inspector Comment						
DS_ID:19557 FS_ID:53194 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/01/2018 24-inch corrugated metal pipe (CMP) section found during pipe inspection of dsid 24867 (see photos); according to LMA representative levee section is the location of levee breach from 1960s; 24-inch pipe was undersized and was replaced after levee breach with a 96-inch CMP and steel pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate on the waterside (WS) end. Large pipe found at this location. [Additional Reference(s): USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.30)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_53194_78594.jpg



LS view: 24-inch pipe section found west of LS toe.

LM Start	0.60	Rating **	M	Issue No.	1313
LM End	0.60	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.273945 °	37.273945 °
				-120.815835 °	-120.815835 °
DWR ID	19757				
Comment Code					
Inspector Comment					
DS_ID:19757 FS_ID:39584 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Excess debris on landward headwall--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_39584_60926.jpg



Concrete headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.60	Rating **	M	Issue No.	1313 (cont)	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.273945 °		37.273945 °
				-120.815835 °		-120.815835 °
DWR ID	19757					
Comment Code						
Inspector Comment						
DS_ID:19757 FS_ID:39584 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Excess debris on landward headwall--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)]. FS Date: 4/9/2014						

Photo 2 of 3 : UCIP_FA_2019_39584_60925.jpg



Concrete headwall, pipe, and flapgate on WS toe.

LM Start	0.60	Rating **	M	Issue No.	1313 (cont)
LM End	0.60	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39584_60927.jpg



Pipe and concrete headwall on LS toe. Note vegetation buildup.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	1314
LM End	0.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID	19758				
Comment Code					
Inspector Comment					
DS_ID:19758					
FS_ID:39585					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. Cobble revetment around both ends. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)].					
FS Date: 4/9/2014					

LM Start	0.65	Rating **	M	Issue No.	1314 (cont)
LM End	0.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39585_60931.jpg



Concrete headwall visible off WS toe.

Photo 2 of 3 : UCIP_FA_2019_39585_60929.jpg



Pipe, flapgate, and headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	1314 (cont)	
LM End	0.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.273398 °	37.273398 °	
				-120.815082 °	-120.815082 °	
DWR ID	19758					
Comment Code						
Inspector Comment						
DS_ID:19758 FS_ID:39585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. Cobble revetment around both ends. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP_FA_2019_39585_60930.jpg



Concrete headwall at LS toe.

LM Start	0.85	Rating **	A/W	Issue No.	1315
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.271894 °	37.271894 °
				-120.812224 °	-120.812224 °
DWR ID	19759				
Comment Code					
Inspector Comment					
DS_ID:19759 FS_ID:33707 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_33707_60934.jpg



Concrete headwall visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	1315 (cont)	
LM End	0.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.271894 °	37.271894 °	
				-120.812224 °	-120.812224 °	
DWR ID	19759					
Comment Code						
Inspector Comment						
DS_ID:19759 FS_ID:33707 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/9/2014						

Photo 2 of 3 : UCIP_FA_2019_33707_60933.jpg



Pipe, flapgate, and headwall at WS toe.

LM Start	0.85	Rating **	A/W	Issue No.	1315 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33707_60936.jpg



Pipe and concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	1.17	Rating **	M	Issue No.	111
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.268866 °	37.267948 °
				-120.808460 °	-120.807513 °
DWR ID	DWR_NA0010_05_f_2018_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree limbs left along the levee toe.					

No Photos

LM Start	1.45	Rating **	A/W	Issue No.	1316
LM End	1.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.265804 °	37.265804 °
				-120.804955 °	-120.804955 °
DWR ID	19760				
Comment Code					
Inspector Comment					
DS_ID:19760 FS_ID:33708 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 21 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.44)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2019_33708_60939.jpg



Flapgate on concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	1.45	Rating **	A/W	Issue No.	1316 (cont)
LM End	1.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.265804 °	37.265804 °
				-120.804955 °	-120.804955 °
DWR ID	19760				

Comment Code

Inspector Comment

DS_ID:19760
FS_ID:33708
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 21 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.44)].
FS Date: 4/9/2014

LM Start	1.45	Rating **	A/W	Issue No.	1316 (cont)
LM End	1.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33708_60938.jpg



Flapgate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_33708_60937.jpg



Pipe and concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	1.79	Rating **	M	Issue No.	110
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.261851°	37.257035°	
			-120.801916°	-120.783176°	
DWR ID	DWR_NA0010_05_f_2019_110				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.82	Rating **	M	Issue No.	102
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.256805°	37.256805°	
			-120.785434°	-120.785434°	
DWR ID	DWR_NA0010_05_s_2019_102				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	2.84	Rating **	M	Issue No.	1317
LM End	2.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.256810°	37.256810°
				-120.785113°	-120.785113°
DWR ID	19809				
Comment Code					
Inspector Comment					
DS_ID:19809 FS_ID:33709 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Log partially blocking inlet at LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)]. FS Date: 4/9/2014					

LM Start	2.84	Rating **	M	Issue No.	1317 (cont)
LM End	2.84	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_33709_60943.jpg



Concrete headwall at outlet on WS toe.

Photo 2 of 3 : UCIP_FA_2019_33709_60941.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	2.84	Rating **	M	Issue No.	1317 (cont)
LM End	2.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID	19809				
Comment Code					
Inspector Comment					
DS_ID:19809 FS_ID:33709 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Log partially blocking inlet at LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)]. FS Date: 4/9/2014					

Photo 3 of 3 : UCIP_FA_2019_33709_60942.jpg



Concrete headwall and metal gate hoist on LS toe.

LM Start	2.85	Rating **	C	Issue No.	126
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256821°	37.256821°
				-120.784924°	-120.784924°
DWR ID	DWR_NA0010_05_f_2018_126				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Several fallen tree limbs are located on the landside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	3.20	Rating **	M	Issue No.	7 (cont)	
LM End	3.20	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			37.256554 °	37.256554 °	
				-120.778847 °	-120.778847 °	
DWR ID	DWR_NA0010_05_f_2012_7					
Comment Code						
RA : Ramp						
Inspector Comment						
An unauthorized ramp is located on the waterside slope.						

Photo 3 of 3 : FA_2019_NA0010_123_7_20190912_00005.jpg



Looking northwest at unauthorized ramp on waterside slope.

LM Start	3.23	Rating **	M	Issue No.	127
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256278 °	37.256278 °
				-120.778404 °	-120.778404 °
DWR ID	DWR_NA0010_05_f_2018_127				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	3.34	Rating **	M	Issue No.	1318
LM End	3.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.255258 °	37.255258 °
				-120.776996 °	-120.776996 °
DWR ID	19810				
Comment Code					
Inspector Comment					
DS_ID:19810 FS_ID:43055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Pipe corroded through at flapgate on WS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.33)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_43055_60948.jpg



Concrete headwall at WS toe.

LM Start	3.34	Rating **	M	Issue No.	1318 (cont)
LM End	3.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_43055_60946.jpg



Flapgate and Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	3.34	Rating **	M	Issue No.	1318 (cont)	
LM End	3.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.255258 °	37.255258 °	
				-120.776996 °	-120.776996 °	
DWR ID	19810					
Comment Code						
Inspector Comment						
DS_ID:19810 FS_ID:43055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Pipe corroded through at flapgate on WS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.33)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP_FA_2019_43055_60951.jpg



Pipe corroded through just behind flapgate at WS toe.

LM Start	3.46	Rating **	M	Issue No.	114
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.254736°	37.252801°
				-120.775184°	-120.768251°
DWR ID	DWR_NA0010_05_f_2019_114				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	3.54	Rating **	M	Issue No.	122
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255182°	37.255182°
				-120.773708°	-120.773708°
DWR ID	DWR_NA0010_05_f_2019_122				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs fallen on the landside toe should be removed.					

No Photos

LM Start	3.55	Rating **	M	Issue No.	134
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.255202 °	37.255202 °
				-120.773655 °	-120.773655 °
DWR ID	DWR_NA0010_05_f_2018_134				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are located within this section.					

Photo 1 of 1 : FA_2019_NA0010_123_134_20190912_00032.jpg



Looking at typical rodent holes within this section. (Spring 2018)

LM Start	3.64	Rating **	M	Issue No.	128
LM End	7.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.252767 °	37.215482 °
				-120.768224 °	-120.709751 °
DWR ID	DWR_NA0010_05_f_2019_128				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	3.68	Rating **	M	Issue No.	1319	
LM End	3.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.252308 °		37.252308 °
				-120.768038 °		-120.768038 °
DWR ID	19811					
Comment Code						
Inspector Comment						
DS_ID:19811 FS_ID:39586 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.67)]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_39586_61137.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	3.68	Rating **	M	Issue No.	1319 (cont)
LM End	3.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39586_61138.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	3.68	Rating **	M	Issue No.	1319 (cont)	
LM End	3.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.252308°	37.252308°	
				-120.768038°	-120.768038°	
DWR ID	19811					
Comment Code						
Inspector Comment						
DS_ID:19811 FS_ID:39586 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.67)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_39586_61136.jpg



Pipe and headwall on LS toe.

LM Start	4.02	Rating **	M	Issue No.	1320
LM End	4.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.248432 °	37.248432 °
				-120.764066 °	-120.764066 °
DWR ID	19769				
Comment Code					
Inspector Comment					
DS_ID:19769 FS_ID:39880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.02)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_39880_61142.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.02	Rating **	M	Issue No.	1320 (cont)	
LM End	4.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.248432 °	37.248432 °	
				-120.764066 °	-120.764066 °	
DWR ID	19769					
Comment Code						
Inspector Comment						
DS_ID:19769						
FS_ID:39880						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.02)].						
FS Date: 4/16/2014						

Photo 2 of 3 : UCIP_FA_2019_39880_61143.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	4.02	Rating **	M	Issue No.	1320 (cont)
LM End	4.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39880_61141.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	117
LM End	4.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.246217 °	37.245406 °
				-120.760963 °	-120.759946 °
DWR ID	DWR_NA0010_05_f_2017_117				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.27	Rating **	M	Issue No.	1321	
LM End	4.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.246008 °	37.246008 °	
				-120.760706 °	-120.760706 °	
DWR ID	19770					
Comment Code						
Inspector Comment						
DS_ID:19770						
FS_ID:39588						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_39588_61146.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.27	Rating **	M	Issue No.	1321 (cont)	
LM End	4.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.246008 °		37.246008 °
				-120.760706 °		-120.760706 °
DWR ID	19770					
Comment Code						
Inspector Comment						
DS_ID:19770 FS_ID:39588 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP_FA_2019_39588_61145.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	4.27	Rating **	M	Issue No.	1321 (cont)
LM End	4.27	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39588_61147.jpg



Concrete headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.33	Rating **	U	Issue No.	131
LM End	4.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.245406 °	37.245406 °
				-120.759971 °	-120.759971 °
DWR ID	DWR_NA0010_05_f_2018_131				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes are located on both sides of levee.					

Photo 1 of 2 : FA_2019_NA0010_123_131_20190912_00028.jpg



View of a large rodent hole in landward slope. (Fall 2018)

LM Start	4.33	Rating **	U	Issue No.	131 (cont)
LM End	4.33	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_123_131_20190912_00029.jpg



View of several rodent burrows in landward slope. (Fall 2018)

LM Start	4.46	Rating **	M	Issue No.	132
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.244183 °	37.244183 °
				-120.758121 °	-120.758121 °
DWR ID	DWR_NA0010_05_f_2018_132				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.55	Rating **	M	Issue No.	1322	
LM End	4.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.243668 °		37.243668 °
				-120.756812 °		-120.756812 °
DWR ID	19771					
Comment Code						
Inspector Comment						
DS_ID:19771 FS_ID:39589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.54)]. FS Date: 4/16/2014 8:16:00 AM						

Photo 1 of 3 : UCIP_FA_2019_39589_62081.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	4.55	Rating **	M	Issue No.	1322 (cont)
LM End	4.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39589_62083.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.55	Rating **	M	Issue No.	1322 (cont)	
LM End	4.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.243668 °	37.243668 °	
				-120.756812 °	-120.756812 °	
DWR ID	19771					
Comment Code						
Inspector Comment						
DS_ID:19771 FS_ID:39589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.54)]. FS Date: 4/16/2014 8:16:00 AM						

Photo 3 of 3 : UCIP_FA_2019_39589_62082.jpg



Pipe and headwall on LS toe.

LM Start	4.80	Rating **	M	Issue No.	135
LM End	6.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.241399 °	37.228485 °
				-120.753271 °	-120.723788 °
DWR ID	DWR_NA0010_05_f_2019_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.89	Rating **	M	Issue No.	1323	
LM End	4.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.240978 °	37.240978 °	
				-120.751613 °	-120.751613 °	
DWR ID	19772					
Comment Code						
Inspector Comment						
DS_ID:19772 FS_ID:39590 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.89)]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_39590_62087.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	4.89	Rating **	M	Issue No.	1323 (cont)
LM End	4.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39590_62088.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	4.89	Rating **	M	Issue No.	1323 (cont)	
LM End	4.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.240978 °		37.240978 °
				-120.751613 °		-120.751613 °
DWR ID	19772					
Comment Code						
Inspector Comment						
DS_ID:19772 FS_ID:39590 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.89)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_39590_62086.jpg



Headwall and pipe on LS toe.

LM Start	5.15	Rating **	M	Issue No.	1324
LM End	5.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID	19773				
Comment Code					
Inspector Comment					
DS_ID:19773 FS_ID:39591 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.15)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_39591_62091.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	5.15	Rating **	M	Issue No.	1324 (cont)	
LM End	5.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.240607 °		37.240607 °
				-120.746916 °		-120.746916 °
DWR ID	19773					
Comment Code						
Inspector Comment						
DS_ID:19773 FS_ID:39591 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.15)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP_FA_2019_39591_62093.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	5.15	Rating **	M	Issue No.	1324 (cont)
LM End	5.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39591_62092.jpg



Headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	5.58	Rating **	A/W	Issue No.	1325	
LM End	5.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.238879 °	37.238879 °	
				-120.739719 °	-120.739719 °	
DWR ID	19774					
Comment Code						
Inspector Comment						
DS_ID:19774 FS_ID:34151 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.58)]. FS Date: 4/16/2014						

LM Start	5.58	Rating **	A/W	Issue No.	1325 (cont)
LM End	5.58	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34151_62096.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2019_34151_62095.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	5.58	Rating **	A/W	Issue No.	1325 (cont)	
LM End	5.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.238879 °	37.238879 °	
				-120.739719 °	-120.739719 °	
DWR ID	19774					
Comment Code						
Inspector Comment						
DS_ID:19774 FS_ID:34151 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.58)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_34151_62097.jpg



Headwall and pipe on LS toe with HDPE drain pipe being installed off LS toe.

LM Start	5.94	Rating **	U	Issue No.	138
LM End	5.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.236387 °	37.236387 °
				-120.734164 °	-120.734164 °
DWR ID	DWR_NA0010_05_f_2018_138				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes are located at this location.					

Photo 1 of 2 : FA_2019_NA0010_123_138_20190912_00033.jpg



View of large rodent holes in landside slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	5.94	Rating **	U	Issue No.	138 (cont)
LM End	5.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.236387 °	37.236387 °
				-120.734164 °	-120.734164 °
DWR ID	DWR_NA0010_05_f _ 2018_138				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes are located at this location.					

Photo 2 of 2 : FA_2019_NA0010_123_138_20190912_00034.jpg



View of large rodent holes in landside slope. (Fall 2018)

LM Start	5.99	Rating **	M	Issue No.	116
LM End	6.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.236236°	37.231945°
				-120.733344°	-120.728323°
DWR ID	DWR_NA0010_05_f_2017_116				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on both sides of the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	6.35	Rating **	A/W	Issue No.	1326	
LM End	6.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.232589 °	37.232589 °	
				-120.728822 °	-120.728822 °	
DWR ID	19775					
Comment Code						
Inspector Comment						
DS_ID:19775 FS_ID:34163 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.35)]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_34163_62102.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	6.35	Rating **	A/W	Issue No.	1326 (cont)
LM End	6.35	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34163_62101.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	6.35	Rating **	A/W	Issue No.	1326 (cont)	
LM End	6.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.232589°	37.232589°	
				-120.728822°	-120.728822°	
DWR ID	19775					
Comment Code						
Inspector Comment						
DS_ID:19775 FS_ID:34163 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.35)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_34163_62100.jpg



Headwall and pipe on LS toe.

LM Start	6.40	Rating **	M	Issue No.	139
LM End	6.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.231900°	37.231900°
				-120.728345°	-120.728345°
DWR ID	DWR_NA0010_05_f_2018_139				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0010_123_139_20190912_00035.jpg



View of rodent holes on landside shoulder. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	6.40	Rating **	M	Issue No.	139 (cont)	
LM End	6.40	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.231900 °		37.231900 °
				-120.728345 °		-120.728345 °
DWR ID	DWR_NA0010_05_f_2018_139					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : FA_2019_NA0010_123_139_20190912_00036.jpg



View of rodent holes on landside slope. (Fall 2018)

LM Start	6.45	Rating **	M	Issue No.	136
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.231316°	37.231316°
				-120.727875°	-120.727875°
DWR ID	DWR_NA0010_05_f_2019_136				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.52	Rating **	M	Issue No.	15
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.230497 °	37.230497 °
				-120.727263 °	-120.727263 °
DWR ID	DWR_NA0010_05_s_2012_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	6.56	Rating **	M	Issue No.	140
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.230013 °	37.230013 °
				-120.726832 °	-120.726832 °
DWR ID	DWR_NA0010_05_f_2018_140				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is erosion on the landward slope near the gate.					

Photo 1 of 1 : FA_2019_NA0010_123_140_20190912_00037.jpg



Erosion on landward slope caused by foot traffic. (Fall 2018)

LM Start	6.59	Rating **	M	Issue No.	1309
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.229682 °	37.229682 °
				-120.726305 °	-120.726305 °
DWR ID	DWR_NA0010_05_s_2015_1309				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The landside slope has damage caused by animal foot traffic.					

Photo 1 of 3 : FA_2019_NA0010_123_1309_20190912_00055.jpg



Looking upstream at damaged landside slope. (Fall 2018)

LM Start	6.59	Rating **	M	Issue No.	1309 (cont)
LM End	6.59	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2019_NA0010_123_1309_20190912_00056.jpg



Looking north at damaged landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	6.59	Rating **	M	Issue No.	1309 (cont)
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.229682 °	37.229682 °
				-120.726305 °	-120.726305 °
DWR ID	DWR_NA0010_05_s_2015_1309				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The landside slope has damage caused by animal foot traffic.					

Photo 3 of 3 : FA_2019_NA0010_123_1309_20190912_00057.jpg



Looking east at damaged landward slope.

LM Start	6.70	Rating **	M	Issue No.	115
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.228861 °	37.228861 °
				-120.724579 °	-120.724579 °
DWR ID	DWR_NA0010_05_f_2017_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several squirrels active around the gate on both the land and water side.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	7.36	Rating **	M	Issue No.	1327	
LM End	7.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.224560 °		37.224560 °
				-120.714057 °		-120.714057 °
DWR ID	19761					
Comment Code						
Inspector Comment						
DS_ID:19761 FS_ID:39592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.36)]. FS Date: 4/22/2014						

LM Start	7.36	Rating **	M	Issue No.	1327 (cont)
LM End	7.36	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39592_62111.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39592_62113.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	7.36	Rating **	M	Issue No.	1327 (cont)	
LM End	7.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.224560 °		37.224560 °
				-120.714057 °		-120.714057 °
DWR ID	19761					
Comment Code						
Inspector Comment						
DS_ID:19761 FS_ID:39592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.36)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_39592_62112.jpg



Headwall and pipe on LS toe.

LM Start	7.58	Rating **	M	Issue No.	1328
LM End	7.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.221465 °	37.221465 °
				-120.713780 °	-120.713780 °
DWR ID	19762				
Comment Code					
Inspector Comment					
DS_ID:19762					
FS_ID:34170					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/22/2014 Appears abandoned and if so should be done so properly. Slide gate rusted shut on WS slope. Unable to locate inlet or outlet. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.4 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Not found in 2014. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.58)].					
FS Date: 4/22/2014					

Photo 1 of 2 : UCIP_FA_2019_34170_62116.jpg



Likely inlet on LS toe. No pipe or headwall can be seen at current water level.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	7.58	Rating **	M	Issue No.	1328 (cont)	
LM End	7.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.221465 °		37.221465 °
				-120.713780 °		-120.713780 °
DWR ID	19762					
Comment Code						
Inspector Comment						
DS_ID:19762						
FS_ID:34170						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/22/2014 Appears abandoned and if so should be done so properly. Slide gate rusted shut on WS slope. Unable to locate inlet or outlet. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.4 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Not found in 2014. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.58)].						
FS Date: 4/22/2014						

Photo 2 of 2 : UCIP_FA_2019_34170_62115.jpg



Slide gate in CMP riser on WS slope. No outlet or pipe found on WS toe.

LM Start	7.59	Rating **	M	Issue No.	141
LM End	7.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.221303 °	37.221303 °
				-120.713707 °	-120.713707 °
DWR ID	DWR_NA0010_05_f_2018_141				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	7.68	Rating **	A/W	Issue No.	1329	
LM End	7.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.217839 °	37.217839 °	
				-120.711462 °	-120.711462 °	
DWR ID	19844					
Comment Code						
Inspector Comment						
DS_ID:19844						
FS_ID:34254						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 08/01/2018 USACE O&M manual has pipe listed under Unit 10 HLM 0.02, however, based on the current levee alignment pipe is located under Unit 5 CLM 7.68. Discrepancy in pipe O&M reference is based on reference between Historic Levee Alignment and Current Levee Alignment. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as Unit 10 HLM 0.02 located in Unit 5 CLM 7.68)].						
FS Date: 4/22/2014						

No Photos

LM Start	7.70	Rating **	M	Issue No.	143
LM End	8.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.217495 °	37.213542 °
				-120.711338 °	-120.706494 °
DWR ID	DWR_NA0010_05_f_2019_143				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	8.20	Rating **	M	Issue No.	153
LM End	9.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.212487°	37.202737°	
			-120.705064°	-120.690096°	
DWR ID	DWR_NA0010_05_f_2019_153				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.45	Rating **	M	Issue No.	154
LM End	9.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.209716°	37.204620°	
			-120.702235°	-120.694468°	
DWR ID	DWR_NA0010_05_f_2019_154				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	1330
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID	19763				
Comment Code					
Inspector Comment					
DS_ID:19763 FS_ID:34265 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Pipe filled with silt on LS toe and should be cleared. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.44)]. FS Date: 4/22/2014					

LM Start	8.46	Rating **	M	Issue No.	1330 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34265_62182.jpg



Headwall, flapgate, and pipe on WS toe

Photo 2 of 3 : UCIP_FA_2019_34265_62183.jpg



Headwall, flapgate, and pipe on WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	1330 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID	19763				
Comment Code					
Inspector Comment					
DS_ID:19763 FS_ID:34265 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Pipe filled with silt on LS toe and should be cleared. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.44)]. FS Date: 4/22/2014					

Photo 3 of 3 : UCIP_FA_2019_34265_62181.jpg



Headwall, slidegate, and pipe on LS toe.

LM Start	9.00	Rating **	U	Issue No.	155
LM End	10.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.204620°	37.190285°
				-120.694467°	-120.669748°
DWR ID	DWR_NA0010_05_f_2019_155				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_155_20191108_00327.jpg



View of the landside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	9.28	Rating **	U	Issue No.	156
LM End	10.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202732°	37.190281°
				-120.690085°	-120.670589°
DWR ID	DWR_NA0010_05_f_2019_156				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_156_20191108_00328.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	9.28	Rating **	A/W	Issue No.	1331
LM End	9.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.202742 °	37.202742 °
				-120.690064 °	-120.690064 °
DWR ID	19766				
Comment Code					
Inspector Comment					
DS_ID:19766					
FS_ID:34272					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.26)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP_FA_2019_34272_62196.jpg



Slide gate in 48-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	9.28	Rating **	A/W	Issue No.	1331 (cont)
LM End	9.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.202742 °	37.202742 °
				-120.690064 °	-120.690064 °
DWR ID	19766				

Comment Code

Inspector Comment

DS_ID:19766
FS_ID:34272
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.26)].
FS Date: 4/22/2014

LM Start	9.28	Rating **	A/W	Issue No.	1331 (cont)
LM End	9.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34272_62198.jpg



Headwall and pipe at WS toe.

Photo 3 of 3 : UCIP_FA_2019_34272_62197.jpg



Headwall and pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	10.06	Rating **	M	Issue No.	1332
LM End	10.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.194736 °	37.194736 °
				-120.680116 °	-120.680116 °
DWR ID	19767				
Comment Code					
Inspector Comment					
DS_ID:19767 FS_ID:34273 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Slidegate actuator appears bent and may not work properly (WS slope). (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.05)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP_FA_2019_34273_62201.jpg



Slidegate in CMP riser on WS slope.

LM Start	10.06	Rating **	M	Issue No.	1332 (cont)
LM End	10.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34273_62202.jpg



Concrete headwall and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	10.06	Rating **	M	Issue No.	1332 (cont)	
LM End	10.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.194736 °	37.194736 °	
				-120.680116 °	-120.680116 °	
DWR ID	19767					
Comment Code						
Inspector Comment						
DS_ID:19767						
FS_ID:34273						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/22/2014 Slidegate actuator appears bent and may not work properly (WS slope). (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope.						
Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.05)].						
FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_34273_62200.jpg



Concrete headwall and pipe on LS toe.

LM Start	10.66	Rating **	M	Issue No.	142
LM End	10.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.190286 °	37.190286 °
				-120.671207 °	-120.671207 °
DWR ID	DWR_NA0010_05_f_2018_142				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the landside toe and slope.					

Photo 1 of 1 : FA_2019_NA0010_123_142_20190912_00038.jpg



Fallen tree on landside toe and slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.37	Rating **	M	Issue No.	144	
LM End	11.37	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.187792 °		37.187792 °
				-120.659454 °		-120.659454 °
DWR ID	DWR_NA0010_05_f_2018_144					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Tree limbs on the levee slope should be trimmed to allow access.						

Photo 1 of 1 : FA_2019_NA0010_123_144_20190912_00039.jpg



View of tree limbs on levee slope. (Fall 2018)

LM Start	11.41	Rating **	M	Issue No.	145
LM End	11.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.187404 °	37.187404 °
				-120.659005 °	-120.659005 °
DWR ID	DWR_NA0010_05_f_2018_145				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
A fallen tree trunk is located on the levee toe.					

Photo 1 of 1 : FA_2019_NA0010_123_145_20190912_00040.jpg



Fallen tree on levee toe. (Fall 2018)

LM Start	11.44	Rating **	M	Issue No.	146
LM End	11.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.187021 °	37.187021 °
				-120.658564 °	-120.658564 °
DWR ID	DWR_NA0010_05_f_2018_146				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Fallen tree limbs are located on the levee toe.					

Photo 1 of 1 : FA_2019_NA0010_123_146_20190912_00041.jpg



Tree limbs and trunk on levee toe. (Fall 2018)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	147
LM End	11.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.186482 °	37.186482 °
				-120.657935 °	-120.657935 °
DWR ID	DWR_NA0010_05_f_2018_147				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs are located on landside slope and toe.					

Photo 1 of 1 : FA_2019_NA0010_123_147_20190912_00042.jpg



Tree limbs on levee toe. (Fall 2018)

LM Start	11.49	Rating **	A/W	Issue No.	1333
LM End	11.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.186471 °	37.186471 °
				-120.657915 °	-120.657915 °
DWR ID	19768				
Comment Code					
Inspector Comment					
DS_ID:19768					
FS_ID:34281					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: [Deadman Drainage Structure] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)].					
FS Date: 4/22/2014					

Photo 1 of 3 : UCIP_FA_2019_34281_62219.jpg



Slidegate in CMP riser, concrete headwall and pipe visible on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.49	Rating **	A/W	Issue No.	1333 (cont)	
LM End	11.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.186471 °		37.186471 °
				-120.657915 °		-120.657915 °
DWR ID	19768					
Comment Code						
Inspector Comment						
DS_ID:19768						
FS_ID:34281						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Deadman Drainage Structure] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)].						
FS Date: 4/22/2014						

Photo 2 of 3 : UCIP_FA_2019_34281_62217.jpg



Stairs, concrete headwall, and pipe visible on LS slope.

LM Start	11.49	Rating **	A/W	Issue No.	1333 (cont)
LM End	11.49	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34281_62218.jpg



Inside pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.50	Rating **	A/W	Issue No.	1334
LM End	11.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.186458 °	37.186458 °
				-120.657903 °	-120.657903 °
DWR ID	19734				
Comment Code					
Inspector Comment					
DS_ID:19734 FS_ID:34280 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Deadman Drainage Structure] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP_FA_2019_34280_62216.jpg



Concrete headwall, pipe, and slidegate in CMP riser on WS of levee.

LM Start	11.50	Rating **	A/W	Issue No.	1334 (cont)
LM End	11.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34280_62214.jpg



Stairs, concrete headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.50	Rating **	A/W	Issue No.	1334 (cont)	
LM End	11.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.186458 °		37.186458 °
				-120.657903 °		-120.657903 °
DWR ID	19734					
Comment Code						
Inspector Comment						
DS_ID:19734 FS_ID:34280 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Deadman Drainage Structure] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_34280_62215.jpg



Inside pipe on WS toe.

LM Start	11.54	Rating **	U	Issue No.	157
LM End	15.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185957 °	37.156705 °
				-120.657316 °	-120.609366 °
DWR ID	DWR_NA0010_05_f_2019_157				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_157_20191108_00329.jpg



Looking upstream along the waterside slope. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.54	Rating **	U	Issue No.	118
LM End	15.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185956 °	37.156705 °
				-120.657317 °	-120.609366 °
DWR ID	DWR_NA0010_05_f_2019_118				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_118_20191108_00330.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	11.65	Rating **	A/W	Issue No.	1335
LM End	11.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.184830 °	37.184830 °
				-120.656016 °	-120.656016 °
DWR ID	19704				
Comment Code					
Inspector Comment					
DS_ID:19704 FS_ID:34283 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.63)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP_FA_2019_34283_62221.jpg



Headwall, flapgate, and pipe at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	11.65	Rating **	A/W	Issue No.	1335 (cont)	
LM End	11.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.184830 °		37.184830 °
				-120.656016 °		-120.656016 °
DWR ID	19704					
Comment Code						
Inspector Comment						
DS_ID:19704 FS_ID:34283 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.63)]. FS Date: 4/22/2014						

Photo 2 of 3 : UCIP_FA_2019_34283_62223.jpg



Headwall, flapgate, and pipe at WS toe.

LM Start	11.65	Rating **	A/W	Issue No.	1335 (cont)
LM End	11.65	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34283_62222.jpg



Concrete headwall and pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.01	Rating **	A/W	Issue No.	1336
LM End	12.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.180291 °	37.180291 °
				-120.653931 °	-120.653931 °
DWR ID	19705				
Comment Code					
Inspector Comment					
DS_ID:19705 FS_ID:34284 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the waterside (WS) end. Flashboard attachment on the LS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.99)]. FS Date: 4/22/2014					

LM Start	12.01	Rating **	A/W	Issue No.	1336 (cont)
LM End	12.01	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34284_62225.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2019_34284_62227.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.01	Rating **	A/W	Issue No.	1336 (cont)
LM End	12.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.180291 °	37.180291 °
				-120.653931 °	-120.653931 °
DWR ID	19705				
Comment Code					
Inspector Comment					
DS_ID:19705 FS_ID:34284 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the waterside (WS) end. Flashboard attachment on the LS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.99)]. FS Date: 4/22/2014					

Photo 3 of 3 : UCIP_FA_2019_34284_62226.jpg



Headwall and pipe on LS toe.

LM Start	12.40	Rating **	A/W	Issue No.	1337
LM End	12.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.175958 °	37.175958 °
				-120.649798 °	-120.649798 °
DWR ID	19706				
Comment Code					
Inspector Comment					
DS_ID:19706					
FS_ID:34285					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. Flashboard attachment on the LS end. Pipe crosses levee at 45 degrees to crown alignment. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.38)].					
FS Date: 4/22/2014					

Photo 1 of 3 : UCIP_FA_2019_34285_62230.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.40	Rating **	A/W	Issue No.	1337 (cont)	
LM End	12.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.175958 °	37.175958 °	
				-120.649798 °	-120.649798 °	
DWR ID	19706					
Comment Code						
Inspector Comment						
DS_ID:19706						
FS_ID:34285						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. Flashboard attachment on the LS end. Pipe crosses levee at 45 degrees to crown alignment. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.38)].						
FS Date: 4/22/2014						

Photo 2 of 3 : UCIP_FA_2019_34285_62229.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	12.40	Rating **	A/W	Issue No.	1337 (cont)
LM End	12.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34285_62231.jpg



Headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

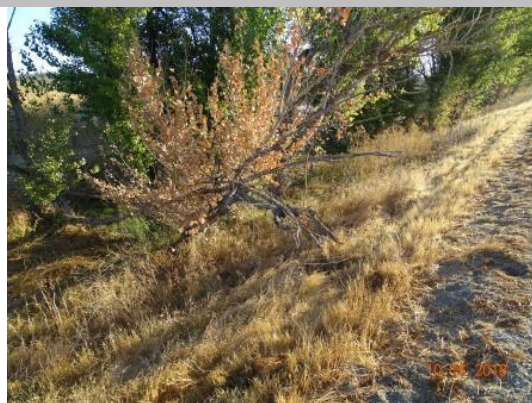
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.73	Rating **	A/W	Issue No.	105
LM End	13.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.175815 °	37.172750 °
				-120.643758 °	-120.634767 °
DWR ID	DWR_NA0010_05_s_2017_105				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	12.81	Rating **	M	Issue No.	108
LM End	12.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175793 °	37.175793 °
				-120.642227 °	-120.642227 °
DWR ID	DWR_NA0010_05_s_2017_108				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0010_123_108_20190912_00015.jpg



Looking upstream at tree branch on landside slope. (Fall 2018)

LM Start	12.81	Rating **	M	Issue No.	108 (cont)
LM End	12.81	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_123_108_20190912_00016.jpg



Looking east at the landside slope. (Fall 2017)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.85	Rating **	M	Issue No.	151
LM End	12.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175799°	37.175799°
				-120.641595°	-120.641595°
DWR ID	DWR_NA0010_05_f _ 2018_151				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_151_20190912_00044.jpg



Tree limb discarded on landside slope. (Fall 2018)

LM Start	12.88	Rating **	M	Issue No.	158
LM End	12.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175807°	37.175807°
				-120.641139°	-120.641139°
DWR ID	DWR_NA0010_05_f_2019_158				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limb on the landside slope should be removed.					

Photo 1 of 1 : FA_2019_NA0010_123_158_20191108_00331.jpg



View of downed tree limb on the landside slope. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.89	Rating **	M	Issue No.	1338	
LM End	12.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.175816 °		37.175816 °
				-120.640865 °		-120.640865 °
DWR ID	19707					
Comment Code						
Inspector Comment						
DS_ID:19707 FS_ID:39593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Concrete headwall on the landside (LS) end with flashboards. Concrete saddle and apron on the waterside (WS) end with a flap gate. Metal screen at LS toe inlet. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.87)]. FS Date: 4/22/2014						

LM Start	12.89	Rating **	M	Issue No.	1338 (cont)
LM End	12.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39593_62240.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39593_62241.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	12.89	Rating **	M	Issue No.	1338 (cont)	
LM End	12.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.175816 °		37.175816 °
				-120.640865 °		-120.640865 °
DWR ID	19707					
Comment Code						
Inspector Comment						
DS_ID:19707 FS_ID:39593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Concrete headwall on the landside (LS) end with flashboards. Concrete saddle and apron on the waterside (WS) end with a flap gate. Metal screen at LS toe inlet. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.87)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_39593_62239.jpg



Headwall and pipe on LS toe.

LM Start	12.93	Rating **	M	Issue No.	109
LM End	12.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175780 °	37.175780 °
				-120.640195 °	-120.640195 °
DWR ID	DWR_NA0010_05_s_2017_109				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the landside toe.					

Photo 1 of 1 : FA_2019_NA0010_123_109_20190912_00017.jpg



Looking at broken tree on landward toe. (Spring 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	13.01	Rating **	M	Issue No.	2
LM End	13.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175576 °	37.175576 °
				-120.638755 °	-120.638755 °
DWR ID	DWR_NA0010_05_s_2016_2				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree on landside toe.					

Photo 1 of 1 : FA_2019_NA0010_123_2_20190912_00002.jpg



Looking west at down tree at landward toe.

LM Start	13.05	Rating **	M	Issue No.	150
LM End	13.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175314 °	37.175314 °
				-120.638034 °	-120.638034 °
DWR ID	DWR_NA0010_05_f_2018_150				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are tree trimmings on the levee slope and toe.					

Photo 1 of 1 : FA_2019_NA0010_123_150_20190912_00043.jpg



Tree trimmings on landside slope and toe. (Fall 2018)

LM Start	13.15	Rating **	M	Issue No.	152
LM End	13.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.174444 °	37.174444 °
				-120.636589 °	-120.636589 °
DWR ID	DWR_NA0010_05_f_2018_152				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a tree trunk on landside toe.					

Photo 1 of 1 : FA_2019_NA0010_123_152_20190912_00045.jpg



Tree trunk on landside toe. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	13.27	Rating **	M	Issue No.	181
LM End	13.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.173096°	37.173096°	
			-120.635130°	-120.635130°	
DWR ID	DWR_NA0010_05_s_2019_181				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	13.31	Rating **	M	Issue No.	137
LM End	13.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.172667°	37.169577°	
			-120.634682°	-120.631392°	
DWR ID	DWR_NA0010_05_s_2018_137				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	13.42	Rating **	M	Issue No.	1339
LM End	13.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID	19708				
Comment Code					
Inspector Comment					
DS_ID:19708 FS_ID:34288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Some erosion around headwall on the WS toe and there are animal burrows on both slopes. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Flashboard attachment in concrete U-shaped headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.40)]. FS Date: 4/22/2014					

LM Start	13.42	Rating **	M	Issue No.	1339 (cont)
LM End	13.42	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34288_62244.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2019_34288_62243.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

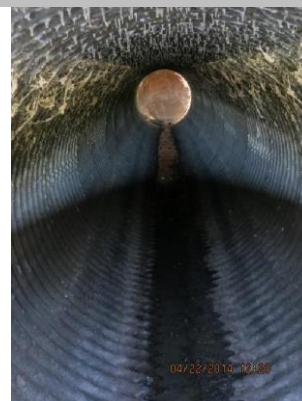
Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	13.42	Rating **	M	Issue No.	1339 (cont)	
LM End	13.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.171523 °		37.171523 °
				-120.633442 °		-120.633442 °
DWR ID	19708					
Comment Code						
Inspector Comment						
DS_ID:19708 FS_ID:34288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Some erosion around headwall on the WS toe and there are animal burrows on both slopes. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Flashboard attachment in concrete U-shaped headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.40)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_34288_62242.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	13.72	Rating **	M	Issue No.	1340
LM End	13.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.168202 °	37.168202 °
				-120.629886 °	-120.629886 °
DWR ID	19709				
Comment Code					
Inspector Comment					
DS_ID:19709					
FS_ID:34824					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/22/2014 Pipe not visible and may need to have silt removed from outlet on WS toe. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on concrete headwall at the landside (LS) toe. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 14.72 should be 13.72)].					
FS Date: 4/22/2014					

Photo 1 of 2 : UCIP_FA_2019_34824_62624.jpg



Slide gate at concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	1340 (cont)	
LM End	13.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.168202 °	37.168202 °	
				-120.629886 °	-120.629886 °	
DWR ID	19709					
Comment Code						
Inspector Comment						
DS_ID:19709 FS_ID:34824 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Pipe not visible and may need to have silt removed from outlet on WS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on concrete headwall at the landside (LS) toe. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 14.72 should be 13.72)]. FS Date: 4/22/2014						

Photo 2 of 2 : UCIP_FA_2019_34824_62623.jpg



Walkway to gatevalve on LS shoulder.

LM Start	13.85	Rating **	A/W	Issue No.	1341	
LM End	13.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.166760 °	37.166760 °	
				-120.628304 °	-120.628304 °	
DWR ID	19710					
Comment Code						
Inspector Comment						
DS_ID:19710 FS_ID:34657 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.83)]. FS Date: 4/23/2014 4:17:00 PM						

Photo 1 of 3 : UCIP_FA_2019_34657_62450.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	13.85	Rating **	A/W	Issue No.	1341 (cont)	
LM End	13.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.166760 °	37.166760 °	
				-120.628304 °	-120.628304 °	
DWR ID	19710					
Comment Code						
Inspector Comment						
DS_ID:19710 FS_ID:34657 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.83)]. FS Date: 4/23/2014 4:17:00 PM						

Photo 2 of 3 : UCIP_FA_2019_34657_62448.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	13.85	Rating **	A/W	Issue No.	1341 (cont)
LM End	13.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34657_62449.jpg



Concrete wier intake structure and pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	14.46	Rating **	A/W	Issue No.	1342
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.162722 °	37.162722 °
				-120.618571 °	-120.618571 °
DWR ID	19711				
Comment Code					
Inspector Comment					
DS_ID:19711 FS_ID:34656 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Concrete weir inlet structure on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)]. FS Date: 4/23/2014					

LM Start	14.46	Rating **	A/W	Issue No.	1342 (cont)
LM End	14.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34656_62446.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_34656_62447.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	14.46	Rating **	A/W	Issue No.	1342 (cont)	
LM End	14.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.162722°	37.162722°	
				-120.618571°	-120.618571°	
DWR ID	19711					
Comment Code						
Inspector Comment						
DS_ID:19711 FS_ID:34656 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Concrete weir inlet structure on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_34656_62445.jpg



Concrete weir inlet at LS toe.

LM Start	15.03	Rating **	A/W	Issue No.	106	
LM End		Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.157570°		°
				-120.610570°		°
DWR ID	182-2					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:36						
Site Designation:182-2						
Repair Type: Seepage						
Rating:						
Field Date:						
Notes:						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	15.11	Rating **	M	Issue No.	1343
LM End	15.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.156805°	37.156805°
				-120.609513°	-120.609513°
DWR ID	19712				
Comment Code					
Inspector Comment					
DS_ID:19712 FS_ID:34664 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Minor erosion at headwall on WS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.09)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_34664_62454.jpg



Headwall and inlet on LS toe.

LM Start	15.11	Rating **	M	Issue No.	1343 (cont)
LM End	15.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34664_62453.jpg



Headwall and inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	15.11	Rating **	M	Issue No.	1343 (cont)
LM End	15.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.156805 °	37.156805 °
				-120.609513 °	-120.609513 °
DWR ID	19712				
Comment Code					
Inspector Comment					
DS_ID:19712 FS_ID:34664 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Minor erosion at headwall on WS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.09)]. FS Date: 4/23/2014					

Photo 3 of 3 : UCIP_FA_2019_34664_62452.jpg



Inside pipe at LS toe.

LM Start	15.76	Rating **	M	Issue No.	1344
LM End	15.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.150012 °	37.150012 °
				-120.601330 °	-120.601330 °
DWR ID	19713				
Comment Code					
Inspector Comment					
DS_ID:19713 FS_ID:39595 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.74)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_39595_62459.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	15.76	Rating **	M	Issue No.	1344 (cont)	
LM End	15.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.150012 °		37.150012 °
				-120.601330 °		-120.601330 °
DWR ID	19713					
Comment Code						
Inspector Comment						
DS_ID:19713 FS_ID:39595 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.74)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP_FA_2019_39595_62456.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	15.76	Rating **	M	Issue No.	1344 (cont)
LM End	15.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39595_62458.jpg



Headwall and pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	15.81	Rating **	M	Issue No.	1345	
LM End	15.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.149381 °	37.149381 °	
				-120.600761 °	-120.600761 °	
DWR ID	19715					
Comment Code						
Inspector Comment						
DS_ID:19715 FS_ID:39596 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Excess vegetation at inlet on LS toe should be cleared. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.80)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39596_62464.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	15.81	Rating **	M	Issue No.	1345 (cont)
LM End	15.81	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39596_62467.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	15.81	Rating **	M	Issue No.	1345 (cont)	
LM End	15.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.149381 °		37.149381 °
				-120.600761 °		-120.600761 °
DWR ID	19715					
Comment Code						
Inspector Comment						
DS_ID:19715 FS_ID:39596 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Excess vegetation at inlet on LS toe should be cleared. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.80)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39596_62466.jpg



Headwall and pipe visible at LS toe.

LM Start	16.09	Rating **	M	Issue No.	1	
LM End	16.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.145965 °	37.145965 °	
				-120.597597 °	-120.597597 °	
DWR ID	NA0010U05RM13.85					
Comment Code						
Inspector Comment						
Site ID: NA0010U05RM13.85 09/10/2019: The erosion has become worse during the past 2 flood seasons. The erosion length has increased to approximately 200 ft from 55 ft. Signs of animal activity were observed. 09/20/2017: The erosion was discovered during spring levee inspection. The site is covered by dense vegetation and the measurements of the erosion are estimated.						

Photo 1 of 3 : SJR2019_DWR_NA0010_05_s_2017_110_5.JPG



Looking at the erosion from the levee toe. Note the dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	16.09	Rating **	M	Issue No.	1 (cont)	
LM End	16.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.145965 °	37.145965 °	
				-120.597597 °	-120.597597 °	
DWR ID	NA0010U05RM13.85					
Comment Code						
Inspector Comment						
Site ID: NA0010U05RM13.85 09/10/2019: The erosion has become worse during the past 2 flood seasons. The erosion length has increased to approximately 200 ft from 55 ft. Signs of animal activity were observed. 09/20/2017: The erosion was discovered during spring levee inspection. The site is covered by dense vegetation and the measurements of the erosion are estimated.						

LM Start	16.09	Rating **	M	Issue No.	1 (cont)
LM End	16.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_05_s _ 2017_110_4.JPG



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_DWR_NA0010_05_s _ 2017_110_1.JPG



Close-up view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	16.62	Rating **	M	Issue No.	159
LM End	16.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.139625 °	37.139625 °
				-120.592923 °	-120.592923 °
DWR ID	DWR_NA0010_05_f_2019_159				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	16.68	Rating **	M	Issue No.	1346
LM End	16.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.138760 °	37.138760 °
				-120.592393 °	-120.592393 °
DWR ID	19716				
Comment Code					
Inspector Comment					
DS_ID:19716 FS_ID:34725 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Pipe heavily silted on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.67)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_34725_62469.jpg



Headwall, flapgate, and pipe visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	16.68	Rating **	M	Issue No.	1346 (cont)	
LM End	16.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.138760 °	37.138760 °	
				-120.592393 °	-120.592393 °	
DWR ID	19716					
Comment Code						
Inspector Comment						
DS_ID:19716 FS_ID:34725 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Pipe heavily silted on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.67)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP_FA_2019_34725_62471.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	16.68	Rating **	M	Issue No.	1346 (cont)
LM End	16.68	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34725_62470.jpg



Concrete headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	166
LM End	17.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.132699 °	37.128148 °
				-120.587305 °	-120.585366 °
DWR ID	DWR_NA0010_05_f_2019_166				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	17.22	Rating **	M	Issue No.	165
LM End	17.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.132297 °	37.128148 °
				-120.587136 °	-120.585366 °
DWR ID	DWR_NA0010_05_f_2019_165				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	1347
LM End	17.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID	19717				
Comment Code					
Inspector Comment					
DS_ID:19717					
FS_ID:39597					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.20)].					
FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_39597_62481.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	17.22	Rating **	M	Issue No.	1347 (cont)
LM End	17.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39597_62483.jpg



Headwall, flapgate, and pipe visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	1347 (cont)	
LM End	17.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.132211 °		37.132211 °
				-120.587106 °		-120.587106 °
DWR ID	19717					
Comment Code						
Inspector Comment						
DS_ID:19717						
FS_ID:39597						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.20)].						
FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39597_62482.jpg



Headwall and pipe visible on LS toe.

LM Start	17.54	Rating **	M	Issue No.	1348
LM End	17.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.127843 °	37.127843 °
				-120.585245 °	-120.585245 °
DWR ID	19743				
Comment Code					
Inspector Comment					
DS_ID:19743 FS_ID:39599 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.52)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_39599_62485.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	17.54	Rating **	M	Issue No.	1348 (cont)	
LM End	17.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.127843 °		37.127843 °
				-120.585245 °		-120.585245 °
DWR ID	19743					
Comment Code						
Inspector Comment						
DS_ID:19743 FS_ID:39599 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.52)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP_FA_2019_39599_62486.jpg



Pipe and headwall visible on LS toe.

LM Start	17.54	Rating **	M	Issue No.	1348 (cont)
LM End	17.54	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39599_62488.jpg



Inside pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	17.55	Rating **	U	Issue No.	168
LM End	19.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127733 °	37.112343 °
				-120.585203 °	-120.559179 °
DWR ID	DWR_NA0010_05_f_2019_168				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_168_20191108_00332.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	17.55	Rating **	U	Issue No.	167
LM End	19.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127733 °	37.112147 °
				-120.585203 °	-120.558984 °
DWR ID	DWR_NA0010_05_f_2019_167				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_167_20191108_00334.jpg



Looking upstream along the landside slope. (Fall 2019)

LM Start	18.06	Rating **	U	Issue No.	112
LM End	18.06	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.120690 °	37.120690 °
				-120.582218 °	-120.582218 °
DWR ID	DWR_NA0010_05_s_2017_112				
Comment Code					
PI : Pipe					
Inspector Comment					
There are 3 temporary eight inch pipes across the levee crown going down both slopes.					

Photo 1 of 3 : FA_2019_NA0010_123_112_20190912_00018.jpg



View of pipe encroachment looking upstream along the levee crown. (Spring 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	18.06	Rating **	U	Issue No.	112 (cont)
LM End	18.06	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.120690 °	37.120690 °
				-120.582218 °	-120.582218 °
DWR ID	DWR_NA0010_05_s_2017_112				
Comment Code					
PI : Pipe					
Inspector Comment					
There are 3 temporary eight inch pipes across the levee crown going down both slopes.					

Photo 2 of 3 : FA_2019_NA0010_123_112_20190912_00019.jpg



Looking at temporary pipe on waterward slope.

LM Start	18.06	Rating **	U	Issue No.	112 (cont)
LM End	18.06	Issue Type +	En	Location *	CR

Photo 3 of 3 : FA_2019_NA0010_123_112_20190912_00020.jpg



Looking at three temporary pipes on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	1349
LM End	18.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID	19745				
Comment Code					
Inspector Comment					
DS_ID:19745 FS_ID:34747 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Animal burrows in levee on both slopes. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.07)]. FS Date: 4/23/2014					

LM Start	18.09	Rating **	M	Issue No.	1349 (cont)
LM End	18.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34747_62494.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_34747_62495.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	1349 (cont)
LM End	18.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID	19745				
Comment Code					
Inspector Comment					
DS_ID:19745 FS_ID:34747 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Animal burrows in levee on both slopes. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.07)]. FS Date: 4/23/2014					

Photo 3 of 3 : UCIP_FA_2019_34747_62493.jpg



Headwall and pipe visible on LS toe.

LM Start	18.70	Rating **	M	Issue No.	1350
LM End	18.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.115472 °	37.115472 °
				-120.573628 °	-120.573628 °
DWR ID	19746				
Comment Code					
Inspector Comment					
DS_ID:19746 FS_ID:39600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.68)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_39600_62499.jpg



Headwall, pipe and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	18.70	Rating **	M	Issue No.	1350 (cont)	
LM End	18.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.115472°	37.115472°	
				-120.573628°	-120.573628°	
DWR ID	19746					
Comment Code						
Inspector Comment						
DS_ID:19746 FS_ID:39600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.68)]. FS Date: 4/23/2014						

LM Start	18.70	Rating **	M	Issue No.	1350 (cont)
LM End	18.70	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39600_62498.jpg



Headwall, pipe and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39600_62500.jpg



Headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.15	Rating **	M	Issue No.	1351	
LM End	19.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.115466 °		37.115466 °
				-120.565467 °		-120.565467 °
DWR ID	19747					
Comment Code						
Inspector Comment						
DS_ID:19747 FS_ID:39601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.11)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39601_62504.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	19.15	Rating **	M	Issue No.	1351 (cont)
LM End	19.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39601_62506.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.17	Rating **	A/W	Issue No.	1352 (cont)	
LM End	19.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.115463 °	37.115463 °	
				-120.565086 °	-120.565086 °	
DWR ID	19776					
Comment Code						
Inspector Comment						
DS_ID:19776 FS_ID:34751 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.15)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP_FA_2019_34751_62511.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	19.17	Rating **	A/W	Issue No.	1352 (cont)
LM End	19.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34751_62510.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.48	Rating **	M	Issue No.	1353	
LM End	19.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.113542 °		37.113542 °
				-120.560389 °		-120.560389 °
DWR ID	19777					
Comment Code						
Inspector Comment						
DS_ID:19777 FS_ID:39602 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.46)]. FS Date: 4/23/2014						

LM Start	19.48	Rating **	M	Issue No.	1353 (cont)
LM End	19.48	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39602_62514.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39602_62516.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.48	Rating **	M	Issue No.	1353 (cont)	
LM End	19.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.113542 °	37.113542 °	
				-120.560389 °	-120.560389 °	
DWR ID	19777					
Comment Code						
Inspector Comment						
DS_ID:19777 FS_ID:39602 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.46)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39602_62515.jpg



Headwall and pipe visible on LS toe.

LM Start	19.51	Rating **	M	Issue No.	1354
LM End	19.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.113172 °	37.113172 °
				-120.560014 °	-120.560014 °
DWR ID	24868				
Comment Code					
Inspector Comment					
DS_ID:24868					
FS_ID:39345					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/23/2014 Markers closer to the levee may be necessary to properly mark pipe crossing location. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: Steel natural gas pipeline of an unknown size through the levee, at an unknown depth. Corrugated metal pipe (CMP) riser and gas line marker off the landside (LS) toe.					
FS Date: 4/22/2014					

Photo 1 of 2 : UCIP_FA_2019_39345_71477.jpg



Gasline marker off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.51	Rating **	M	Issue No.	1354 (cont)	
LM End	19.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.113172 °	37.113172 °	
				-120.560014 °	-120.560014 °	
DWR ID	24868					
Comment Code						
Inspector Comment						
DS_ID:24868						
FS_ID:39345						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/23/2014 Markers closer to the levee may be necessary to properly mark pipe crossing location. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: Steel natural gas pipeline of an unknown size through the levee, at an unknown depth. Corrugated metal pipe (CMP) riser and gas line marker off the landside (LS) toe.						
FS Date: 4/22/2014						

Photo 2 of 2 : UCIP_FA_2019_39345_71476.jpg



Gasline marker off LS of opposite bank.

LM Start	19.52	Rating **	M	Issue No.	1355	
LM End	19.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.112953°	37.112953°	
				-120.559943°	-120.559943°	
DWR ID	19778					
Comment Code						
Inspector Comment						
DS_ID:19778 FS_ID:39603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.50)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39603_62519.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.52	Rating **	M	Issue No.	1355 (cont)	
LM End	19.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.112953 °	37.112953 °	
				-120.559943 °	-120.559943 °	
DWR ID	19778					
Comment Code						
Inspector Comment						
DS_ID:19778 FS_ID:39603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.50)]. FS Date: 4/23/2014						

LM Start	19.52	Rating **	M	Issue No.	1355 (cont)
LM End	19.52	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39603_62521.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39603_62520.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.59	Rating **	M	Issue No.	169
LM End	20.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.112266°	37.100512°	
			-120.559099°	-120.546869°	
DWR ID	DWR_NA0010_05_f_2019_169				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	19.60	Rating **	M	Issue No.	170
LM End	22.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.112145°	37.079386°	
			-120.558983°	-120.524030°	
DWR ID	DWR_NA0010_05_f_2019_170				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.86	Rating **	A/W	Issue No.	1356
LM End	19.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.109284 °	37.109284 °
				-120.555948 °	-120.555948 °
DWR ID	19779				
Comment Code					
Inspector Comment					
DS_ID:19779 FS_ID:34754 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.84)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_34754_62525.jpg



Headwall and pipe visible on LS toe.

LM Start	19.86	Rating **	A/W	Issue No.	1356 (cont)
LM End	19.86	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34754_62524.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.86	Rating **	A/W	Issue No.	1356 (cont)	
LM End	19.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.109284 °		37.109284 °
				-120.555948 °		-120.555948 °
DWR ID	19779					
Comment Code						
Inspector Comment						
DS_ID:19779						
FS_ID:34754						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.84)].						
FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_34754_62523.jpg



Inside pipe on LS toe.

LM Start	19.94	Rating **	A/W	Issue No.	1357
LM End	19.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.108426 °	37.108426 °
				-120.554990 °	-120.554990 °
DWR ID	19780				
Comment Code					
Inspector Comment					
DS_ID:19780 FS_ID:34755 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.92)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_34755_62529.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	19.94	Rating **	A/W	Issue No.	1357 (cont)
LM End	19.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.108426 °	37.108426 °
				-120.554990 °	-120.554990 °
DWR ID	19780				
Comment Code					
Inspector Comment					
DS_ID:19780 FS_ID:34755 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.92)]. FS Date: 4/23/2014					

Photo 2 of 3 : UCIP_FA_2019_34755_62530.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	19.94	Rating **	A/W	Issue No.	1357 (cont)
LM End	19.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_34755_62528.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	20.10	Rating **	A/W	Issue No.	1358
LM End	20.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.107091 °	37.107091 °
				-120.553503 °	-120.553503 °
DWR ID	19781				
Comment Code					
Inspector Comment					
DS_ID:19781 FS_ID:34757 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.05)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_34757_62533.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	20.10	Rating **	A/W	Issue No.	1358 (cont)
LM End	20.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34757_62532.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	20.10	Rating **	A/W	Issue No.	1358 (cont)
LM End	20.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.107091 °	37.107091 °
				-120.553503 °	-120.553503 °
DWR ID	19781				
Comment Code					
Inspector Comment					
DS_ID:19781 FS_ID:34757 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.05)]. FS Date: 4/23/2014					

Photo 3 of 3 : UCIP_FA_2019_34757_62534.jpg



Headwall and pipe visible on LS toe.

LM Start	20.19	Rating **	M	Issue No.	1359
LM End	20.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.106149°	37.106149°
				-120.552538°	-120.552538°
DWR ID	19782				
Comment Code					
Inspector Comment					
DS_ID:19782 FS_ID:34759 EP_NO: 13828 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: *DELETE* NOT INSTALLED THROUGH THE LEVEE. 24-inch steel irrigation pipe through the levee, 4.0 feet below the crown. Pump missing from pad on the landward side. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe on landward shoulder. Pre-existing ditch runs from waterward toe to channel. Pipe extends from pump to the channel. Rock revetment on the cut slopes of the inlet channel. (Permit No. 13828-1988) FS Date: 4/23/2014					

Photo 1 of 1 : UCIP_FA_2019_34759_62537.jpg



Well head visible off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	20.24	Rating **	A/W	Issue No.	1360	
LM End	20.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.105489 °	37.105489 °	
				-120.551886 °	-120.551886 °	
DWR ID	19783					
Comment Code						
Inspector Comment						
DS_ID:19783 FS_ID:34760 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_34760_62539.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	20.24	Rating **	A/W	Issue No.	1360 (cont)
LM End	20.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34760_62541.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	20.24	Rating **	A/W	Issue No.	1360 (cont)	
LM End	20.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.105489 °	37.105489 °	
				-120.551886 °	-120.551886 °	
DWR ID	19783					
Comment Code						
Inspector Comment						
DS_ID:19783 FS_ID:34760 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_34760_62540.jpg



Headwall and pipe visible on LS toe.

LM Start	20.65	Rating **	M	Issue No.	1361	
LM End	20.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.100903 °	37.100903 °	
				-120.547282 °	-120.547282 °	
DWR ID	19784					
Comment Code						
Inspector Comment						
DS_ID:19784						
FS_ID:39605						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.59)].						
FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39605_62544.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	20.65	Rating **	M	Issue No.	1361 (cont)	
LM End	20.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.100903 °	37.100903 °	
				-120.547282 °	-120.547282 °	
DWR ID	19784					
Comment Code						
Inspector Comment						
DS_ID:19784						
FS_ID:39605						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.59)].						
FS Date: 4/23/2014						

LM Start	20.65	Rating **	M	Issue No.	1361 (cont)
LM End	20.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39605_62543.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39605_62545.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.06	Rating **	M	Issue No.	172
LM End	23.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.096398 °	37.072998 °
				-120.542433 °	-120.516668 °
DWR ID	DWR_NA0010_05_f_2019_172				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	21.13	Rating **	M	Issue No.	1362
LM End	21.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.095603 °	37.095603 °
				-120.541593 °	-120.541593 °
DWR ID	19785				
Comment Code					
Inspector Comment					
DS_ID:19785 FS_ID:39606 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.08)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP_FA_2019_39606_62549.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.13	Rating **	M	Issue No.	1362 (cont)	
LM End	21.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.095603 °	37.095603 °	
				-120.541593 °	-120.541593 °	
DWR ID	19785					
Comment Code						
Inspector Comment						
DS_ID:19785 FS_ID:39606 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.08)]. FS Date: 4/23/2014						

LM Start	21.13	Rating **	M	Issue No.	1362 (cont)
LM End	21.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39606_62551.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39606_62550.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.45	Rating **	M	Issue No.	120
LM End	21.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.092064 °	37.092064 °
				-120.537750 °	-120.537750 °
DWR ID	DWR_NA0010_05_f_2017_120				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair holes dug at the landside toe.					

Photo 1 of 1 : FA_2019_NA0010_123_120_20190912_00021.jpg



Looking southeast at the landside toe.

LM Start	21.48	Rating **	M	Issue No.	1363	
LM End	21.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.091755 °	37.091755 °	
				-120.537414 °	-120.537414 °	
DWR ID	19786					
Comment Code						
Inspector Comment						
DS_ID:19786 FS_ID:39614 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.42)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39614_62555.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.48	Rating **	M	Issue No.	1363 (cont)	
LM End	21.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.091755 °	37.091755 °	
				-120.537414 °	-120.537414 °	
DWR ID	19786					
Comment Code						
Inspector Comment						
DS_ID:19786 FS_ID:39614 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.42)]. FS Date: 4/23/2014						

LM Start	21.48	Rating **	M	Issue No.	1363 (cont)
LM End	21.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39614_62556.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39614_62554.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.91	Rating **	M	Issue No.	1364	
LM End	21.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.087525 °	37.087525 °	
				-120.532827 °	-120.532827 °	
DWR ID	19787					
Comment Code						
Inspector Comment						
DS_ID:19787 FS_ID:39883 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.81)]. FS Date: 4/23/2014						

LM Start	21.91	Rating **	M	Issue No.	1364 (cont)
LM End	21.91	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39883_62559.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39883_62558.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.91	Rating **	M	Issue No.	1364 (cont)	
LM End	21.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.087525 °	37.087525 °	
				-120.532827 °	-120.532827 °	
DWR ID	19787					
Comment Code						
Inspector Comment						
DS_ID:19787 FS_ID:39883 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.81)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39883_62560.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.95	Rating **	M	Issue No.	1365
LM End	21.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.087108 °	37.087108 °
				-120.532374 °	-120.532374 °
DWR ID	19788				
Comment Code					
Inspector Comment					
DS_ID:19788 FS_ID:39610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.85)]. FS Date: 4/23/2014					

LM Start	21.95	Rating **	M	Issue No.	1365 (cont)
LM End	21.95	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39610_62586.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39610_62588.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	21.95	Rating **	M	Issue No.	1365 (cont)	
LM End	21.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.087108 °	37.087108 °	
				-120.532374 °	-120.532374 °	
DWR ID	19788					
Comment Code						
Inspector Comment						
DS_ID:19788 FS_ID:39610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.85)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39610_62587.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	22.28	Rating **	M	Issue No.	1366
LM End	22.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID	19789				
Comment Code					
Inspector Comment					
DS_ID:19789 FS_ID:39611 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.19)]. FS Date: 4/23/2014					

LM Start	22.28	Rating **	M	Issue No.	1366 (cont)
LM End	22.28	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39611_62591.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39611_62593.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	22.28	Rating **	M	Issue No.	1366 (cont)	
LM End	22.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.083410 °	37.083410 °	
				-120.528356 °	-120.528356 °	
DWR ID	19789					
Comment Code						
Inspector Comment						
DS_ID:19789 FS_ID:39611 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.19)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39611_62592.jpg



Headwall and pipe visible on LS toe.

LM Start	22.35	Rating **	M	Issue No.	121
LM End	22.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.082696 °	37.082696 °
				-120.527620 °	-120.527620 °
DWR ID	DWR_NA0010_05_f_2017_121				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Waterside slope damaged by animal traffic.					

Photo 1 of 1 : FA_2019_NA0010_123_121_20190912_00022.jpg



Looking southeast at the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	22.55	Rating **	M	Issue No.	1367	
LM End	22.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.080486°	37.080486°	
				-120.525180°	-120.525180°	
DWR ID	19790					
Comment Code						
Inspector Comment						
DS_ID:19790 FS_ID:39613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.46)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39613_62596.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	22.55	Rating **	M	Issue No.	1367 (cont)
LM End	22.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39613_62598.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	22.55	Rating **	M	Issue No.	1367 (cont)	
LM End	22.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.080486°	37.080486°	
				-120.525180°	-120.525180°	
DWR ID	19790					
Comment Code						
Inspector Comment						
DS_ID:19790 FS_ID:39613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.46)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39613_62597.jpg



Headwall and pipe visible on LS toe.

LM Start	22.65	Rating **	U	Issue No.	173
LM End	23.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.079385°	37.072986°
				-120.524030°	-120.516656°
DWR ID	DWR_NA0010_05_f_2019_173				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_173_20191108_00335.jpg



View of the vegetation along the landside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

DWR Start	22.89	Rating **	M	Issue No.	1368	
LM End	22.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.076830 °	37.076830 °	
				-120.521116 °	-120.521116 °	
DWR ID	19791					
Comment Code						
Inspector Comment						
DS_ID:19791 FS_ID:39616 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.79)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP_FA_2019_39616_62601.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	22.89	Rating **	M	Issue No.	1368 (cont)
LM End	22.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39616_62600.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	22.89	Rating **	M	Issue No.	1368 (cont)	
LM End	22.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.076830 °	37.076830 °	
				-120.521116 °	-120.521116 °	
DWR ID	19791					
Comment Code						
Inspector Comment						
DS_ID:19791 FS_ID:39616 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.79)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39616_62602.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.03	Rating **	M	Issue No.	1369	
LM End	23.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.075387 °	37.075387 °	
				-120.519406 °	-120.519406 °	
DWR ID	19792					
Comment Code						
Inspector Comment						
DS_ID:19792						
FS_ID:39617						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.94)].						
FS Date: 4/23/2014						

LM Start	23.03	Rating **	M	Issue No.	1369 (cont)
LM End	23.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39617_62606.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39617_62608.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.03	Rating **	M	Issue No.	1369 (cont)	
LM End	23.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.075387 °	37.075387 °	
				-120.519406 °	-120.519406 °	
DWR ID	19792					
Comment Code						
Inspector Comment						
DS_ID:19792 FS_ID:39617 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.94)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39617_62607.jpg



Headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.17	Rating **	M	Issue No.	1370
LM End	23.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.073901 °	37.073901 °
				-120.517651 °	-120.517651 °
DWR ID	19793				
Comment Code					
Inspector Comment					
DS_ID:19793 FS_ID:39618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Debris blocking closure of outlet. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/23/2014					

LM Start	23.17	Rating **	M	Issue No.	1370 (cont)
LM End	23.17	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_39618_62611.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39618_62610.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.17	Rating **	M	Issue No.	1370 (cont)	
LM End	23.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.073901 °	37.073901 °	
				-120.517651 °	-120.517651 °	
DWR ID	19793					
Comment Code						
Inspector Comment						
DS_ID:19793 FS_ID:39618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Debris blocking closure of outlet. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP_FA_2019_39618_62615.jpg



Debris blocking closure of outlet on WS toe.

LM Start	23.23	Rating **	M	Issue No.	184
LM End	23.23	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.073259 °	37.073259 °
				-120.516970 °	-120.516970 °
DWR ID	DWR_NA0010_05_s_2019_184				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 3 : FA_2019_NA0010_123_184_20190912_00052.jpg

View of pipe encroachment looking upstream along the levee crown.
(Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.25	Rating **	A/W	Issue No.	1371	
LM End	23.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.072989 °		37.072989 °
				-120.516687 °		-120.516687 °
DWR ID	19794					
Comment Code						
Inspector Comment						
DS_ID:19794 FS_ID:32763 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.15)]. FS Date: 3/25/2014 9:04:45 AM						

Photo 1 of 3 : UCIP_FA_2019_32763_59262.jpg



Concrete headwall on WS toe.

LM Start	23.25	Rating **	A/W	Issue No.	1371 (cont)
LM End	23.25	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32763_59263.jpg



Flapgate and concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.25	Rating **	A/W	Issue No.	1371 (cont)	
LM End	23.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.072989 °	37.072989 °	
				-120.516687 °	-120.516687 °	
DWR ID	19794					
Comment Code						
Inspector Comment						
DS_ID:19794 FS_ID:32763 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.15)]. FS Date: 3/25/2014 9:04:45 AM						

Photo 3 of 3 : UCIP_FA_2019_32763_59261.jpg



Concrete headwall on LS toe.

LM Start	23.25	Rating **	M	Issue No.	174
LM End	28.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.072985°	37.032586°
				-120.516656°	-120.445333°
DWR ID	DWR_NA0010_05_f_2019_174				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.72	Rating **	M	Issue No.	1372
LM End	23.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.067799 °	37.067799 °
				-120.511093 °	-120.511093 °
DWR ID	19796				
Comment Code					
Inspector Comment					
DS_ID:19796 FS_ID:39621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.62)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39621_59272.jpg



Concrete headwall on WS toe.

LM Start	23.72	Rating **	M	Issue No.	1372 (cont)
LM End	23.72	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39621_59270.jpg



Flapgate on Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	23.72	Rating **	M	Issue No.	1372 (cont)	
LM End	23.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.067799 °	37.067799 °	
				-120.511093 °	-120.511093 °	
DWR ID	19796					
Comment Code						
Inspector Comment						
DS_ID:19796 FS_ID:39621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.62)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39621_59271.jpg



Concrete headwall on LS toe.

LM Start	24.02	Rating **	M	Issue No.	1373	
LM End	24.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.064494 °		37.064494 °
				-120.507531 °		-120.507531 °
DWR ID	19797					
Comment Code						
Inspector Comment						
DS_ID:19797 FS_ID:39620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.85)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39620_59282.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.02	Rating **	M	Issue No.	1373 (cont)	
LM End	24.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.064494 °		37.064494 °
				-120.507531 °		-120.507531 °
DWR ID	19797					
Comment Code						
Inspector Comment						
DS_ID:19797 FS_ID:39620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.85)]. FS Date: 3/25/2014						

Photo 2 of 3 : UCIP_FA_2019_39620_59280.jpg



Flapgate at Concrete headwall on WS toe.

LM Start	24.02	Rating **	M	Issue No.	1373 (cont)
LM End	24.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39620_59281.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.28	Rating **	M	Issue No.	1374	
LM End	24.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.061724 °	37.061724 °	
				-120.504512 °	-120.504512 °	
DWR ID	19798					
Comment Code						
Inspector Comment						
DS_ID:19798 FS_ID:46850 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.18)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_46850_59287.jpg



Concrete headwall at WS toe.

LM Start	24.28	Rating **	M	Issue No.	1374 (cont)
LM End	24.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_46850_59285.jpg



Flapgate at concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.28	Rating **	M	Issue No.	1374 (cont)	
LM End	24.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.061724 °	37.061724 °	
				-120.504512 °	-120.504512 °	
DWR ID	19798					
Comment Code						
Inspector Comment						
DS_ID:19798						
FS_ID:46850						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.18)].						
FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_46850_59286.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.56	Rating **	M	Issue No.	1375
LM End	24.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.058673 °	37.058673 °
				-120.501238 °	-120.501238 °
DWR ID	19799				
Comment Code					
Inspector Comment					
DS_ID:19799 FS_ID:39623 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.46)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39623_59292.jpg



Concrete headwall on WS toe.

LM Start	24.56	Rating **	M	Issue No.	1375 (cont)
LM End	24.56	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39623_59290.jpg



Flapgate at Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.56	Rating **	M	Issue No.	1375 (cont)	
LM End	24.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.058673 °	37.058673 °	
				-120.501238 °	-120.501238 °	
DWR ID	19799					
Comment Code						
Inspector Comment						
DS_ID:19799 FS_ID:39623 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.46)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39623_59291.jpg



Concrete headwall on LS toe.

LM Start	24.56	Rating **	M	Issue No.	175
LM End	24.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.058672 °	37.058672 °
				-120.501218 °	-120.501218 °
DWR ID	DWR_NA0010_05_f_2019_175				
Comment Code					
PI : Pipe					
Inspector Comment					
Concrete pipe left on landside toe.					

Photo 1 of 1 : FA_2019_NA0010_123_175_20191108_00336.jpg



Sections of concrete pipe left along the landside toe. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.93	Rating **	A/W	Issue No.	1376
LM End	24.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.054481 °	37.054481 °
				-120.496798 °	-120.496798 °
DWR ID	19800				
Comment Code					
Inspector Comment					
DS_ID:19800 FS_ID:32786 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.82)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_32786_59297.jpg



Concrete headwall on WS toe.

LM Start	24.93	Rating **	A/W	Issue No.	1376 (cont)
LM End	24.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32786_59295.jpg



Flapgate on concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.93	Rating **	A/W	Issue No.	1376 (cont)	
LM End	24.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.054481 °		37.054481 °
				-120.496798 °		-120.496798 °
DWR ID	19800					
Comment Code						
Inspector Comment						
DS_ID:19800						
FS_ID:32786						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.82)].						
FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_32786_59296.jpg



Concrete headwall on LS toe.

LM Start	24.96	Rating **	A/W	Issue No.	1377
LM End	24.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.054344 °	37.054344 °
				-120.496214 °	-120.496214 °
DWR ID	19801				
Comment Code					
Inspector Comment					
DS_ID:19801 FS_ID:39624 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.87)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39624_59302.jpg



Flapgate and channel off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.96	Rating **	A/W	Issue No.	1377 (cont)	
LM End	24.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.054344 °		37.054344 °
				-120.496214 °		-120.496214 °
DWR ID	19801					
Comment Code						
Inspector Comment						
DS_ID:19801						
FS_ID:39624						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.87)].						
FS Date: 3/25/2014						

Photo 2 of 3 : UCIP_FA_2019_39624_59301.jpg



Concrete headwall on LS toe.

LM Start	24.96	Rating **	A/W	Issue No.	1377 (cont)
LM End	24.96	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39624_59303.jpg



Flapgate on headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.98	Rating **	M	Issue No.	123
LM End	25.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.054150 °	37.051252 °
				-120.495964 °	-120.492368 °
DWR ID	DWR_NA0010_05_f_2017_123				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_123_20190912_00023.jpg



Looking southwest at the landside slope.

LM Start	24.98	Rating **	M	Issue No.	1378	
LM End	24.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.054146 °	37.054146 °	
				-120.495968 °	-120.495968 °	
DWR ID	19802					
Comment Code						
Inspector Comment						
DS_ID:19802 FS_ID:41716 EP_NO: 12873 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Clear soil from siphon breaker and install a protective riser. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 2 feet below the crown. Slant pump at the channel on the waterside (WS) toe. Siphon breaker on the WS shoulder. Gate valve on the landside (LS) toe. A preexisting ditch runs from the WS toe to the channel. Riprap placed around the intake. 2-inch polyvinyl chloride (PVC) electrical conduit at the same location. (Plans to install a pump with a discharge pipe through the levee authorized under Permit No. 12873, 1980 - Bowles Farming Company). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_41716_59306.jpg



Slant pump at channel on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	24.98	Rating **	M	Issue No.	1378 (cont)	
LM End	24.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.054146 °	37.054146 °	
				-120.495968 °	-120.495968 °	
DWR ID	19802					
Comment Code						
Inspector Comment						
DS_ID:19802 FS_ID:41716 EP_NO: 12873 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Clear soil from siphon breaker and install a protective riser. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 2 feet below the crown. Slant pump at the channel on the waterside (WS) toe. Siphon breaker on the WS shoulder. Gate valve on the landside (LS) toe. A preexisting ditch runs from the WS toe to the channel. Riprap placed around the intake. 2-inch polyvinyl chloride (PVC) electrical conduit at the same location. (Plans to install a pump with a discharge pipe through the levee authorized under Permit No. 12873, 1980 - Bowles Farming Company). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 3/25/2014						

LM Start	24.98	Rating **	M	Issue No.	1378 (cont)
LM End	24.98	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_41716_59307.jpg



Buried Siphon breaker on WS shoulder.

Photo 3 of 3 : UCIP_FA_2019_41716_59304.jpg



Power pole, meter, and electrical panel off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	1379	
LM End	25.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.051477 °	37.051477 °	
				-120.492650 °	-120.492650 °	
DWR ID	19803					
Comment Code						
Inspector Comment						
DS_ID:19803 FS_ID:32789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Flapgate propped open during flood season. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.43)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_32789_59311.jpg



Concrete headwall and flapgate on WS toe.

LM Start	25.24	Rating **	M	Issue No.	1379 (cont)
LM End	25.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32789_59312.jpg



Concrete headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	1379 (cont)	
LM End	25.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.051477 °		37.051477 °
				-120.492650 °		-120.492650 °
DWR ID	19803					
Comment Code						
Inspector Comment						
DS_ID:19803 FS_ID:32789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Flapgate propped open during flood season. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.43)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_32789_59310.jpg



Concrete headwall on LS toe.

LM Start	25.28	Rating **	M	Issue No.	9
LM End	25.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.051076 °	37.047042 °
				-120.492153 °	-120.488092 °
DWR ID	DWR_NA0010_05_s_2012_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted along this section.					

Photo 1 of 1 : FA_2019_NA0010_123_9_20190912_00006.jpg



View of representative rodent burrow. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	25.61	Rating **	M	Issue No.	1380
LM End	25.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID	19804				
Comment Code					
Inspector Comment					
DS_ID:19804 FS_ID:39625 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.51)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39625_59316.jpg



Concrete headwall on WS toe.

LM Start	25.61	Rating **	M	Issue No.	1380 (cont)
LM End	25.61	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39625_59317.jpg



Flapgate on concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	25.61	Rating **	M	Issue No.	1380 (cont)	
LM End	25.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.047455 °	37.047455 °	
				-120.488443 °	-120.488443 °	
DWR ID	19804					
Comment Code						
Inspector Comment						
DS_ID:19804 FS_ID:39625 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.51)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39625_59315.jpg



Concrete headwall on LS toe.

LM Start	25.61	Rating **	M	Issue No.	124
LM End	25.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.047416 °	37.047416 °
				-120.488411 °	-120.488411 °
DWR ID	DWR_NA0010_05_f_2017_124				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_124_20190912_00024.jpg



Looking east at the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	25.63	Rating **	M	Issue No.	1381	
LM End	25.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.047170 °		37.047170 °
				-120.488222 °		-120.488222 °
DWR ID	19805					
Comment Code						
Inspector Comment						
DS_ID:19805 FS_ID:39626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.53)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39626_59321.jpg



Flapgate on headwall at WS toe.

LM Start	25.63	Rating **	M	Issue No.	1381 (cont)
LM End	25.63	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39626_59320.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	25.63	Rating **	M	Issue No.	1381 (cont)	
LM End	25.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.047170 °		37.047170 °
				-120.488222 °		-120.488222 °
DWR ID	19805					
Comment Code						
Inspector Comment						
DS_ID:19805 FS_ID:39626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.53)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39626_59319.jpg



Inside pipe on LS toe.

LM Start	25.81	Rating **	M	Issue No.	178
LM End	25.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.044986°	37.044986°
				-120.486539°	-120.486539°
DWR ID	DWR_NA0010_05_f_2019_178				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.19	Rating **	M	Issue No.	161
LM End	26.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.040289 °	37.040043 °
				-120.482988 °	-120.482795 °
DWR ID	DWR_NA0010_05_f_2018_161				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Waterside slope damage is caused by livestock foot traffic.					

Photo 1 of 1 : FA_2019_NA0010_123_161_20190912_00047.jpg



Slope damage on waterside. (Fall 2018)

LM Start	26.20	Rating **	M	Issue No.	1382
LM End	26.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.040070 °	37.040070 °
				-120.482796 °	-120.482796 °
DWR ID	19806				
Comment Code					
Inspector Comment					
DS_ID:19806 FS_ID:39627 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.11)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_39627_59341.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.20	Rating **	M	Issue No.	1382 (cont)	
LM End	26.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.040070 °		37.040070 °
				-120.482796 °		-120.482796 °
DWR ID	19806					
Comment Code						
Inspector Comment						
DS_ID:19806 FS_ID:39627 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.11)]. FS Date: 3/25/2014						

LM Start	26.20	Rating **	M	Issue No.	1382 (cont)
LM End	26.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39627_59340.jpg



Flapgate on Concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39627_59342.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.39	Rating **	A/W	Issue No.	1383
LM End	26.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.037772 °	37.037772 °
				-120.481028 °	-120.481028 °
DWR ID	19807				
Comment Code					
Inspector Comment					
DS_ID:19807					
FS_ID:32804					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.29)].					
FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_32804_59347.jpg



Concrete headwall on LS toe.

LM Start	26.39	Rating **	A/W	Issue No.	1383 (cont)
LM End	26.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32804_59346.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.39	Rating **	A/W	Issue No.	1383 (cont)
LM End	26.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.037772 °	37.037772 °
				-120.481028 °	-120.481028 °
DWR ID	19807				
Comment Code					
Inspector Comment					
DS_ID:19807 FS_ID:32804 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.29)]. FS Date: 3/25/2014					

Photo 3 of 3 : UCIP_FA_2019_32804_59345.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	26.95	Rating **	M	Issue No.	119
LM End	26.95	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.032667°	37.032667°
				-120.473943°	-120.473943°
DWR ID	DWR_NA0010_05_s_2018_119				
Comment Code					
PI : Pipe					
Inspector Comment					
There is a temporary pipe crossing levee crown which should be removed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.95	Rating **	M	Issue No.	1384	
LM End	26.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.032669 °		37.032669 °
				-120.473901 °		-120.473901 °
DWR ID	19808					
Comment Code						
Inspector Comment						
DS_ID:19808 FS_ID:39628 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.85)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_39628_59350.jpg



Concrete headwall on LS toe.

LM Start	26.95	Rating **	M	Issue No.	1384 (cont)
LM End	26.95	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39628_59349.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.95	Rating **	M	Issue No.	1384 (cont)	
LM End	26.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.032669 °		37.032669 °
				-120.473901 °		-120.473901 °
DWR ID	19808					
Comment Code						
Inspector Comment						
DS_ID:19808 FS_ID:39628 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.85)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_39628_59348.jpg



Silt buildup in pipe at LS toe.

LM Start	26.97	Rating **	M	Issue No.	1385	
LM End	26.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.032680 °		37.032680 °
				-120.473454 °		-120.473454 °
DWR ID	19748					
Comment Code						
Inspector Comment						
DS_ID:19748 FS_ID:32806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Tumble weed buildup at inlet mat create blockage and should be removed. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.87)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP_FA_2019_32806_59353.jpg



Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	26.97	Rating **	M	Issue No.	1385 (cont)	
LM End	26.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.032680 °		37.032680 °
				-120.473454 °		-120.473454 °
DWR ID	19748					
Comment Code						
Inspector Comment						
DS_ID:19748 FS_ID:32806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Tumble weed buildup at inlet mat create blockage and should be removed. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.87)]. FS Date: 3/25/2014						

Photo 2 of 3 : UCIP_FA_2019_32806_59355.jpg



Flapgate and Concrete headwall at WS toe.

LM Start	26.97	Rating **	M	Issue No.	1385 (cont)
LM End	26.97	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_32806_59354.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	27.00	Rating **	U	Issue No.	162
LM End	27.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.032663 °	37.032659 °
				-120.472907 °	-120.472190 °
DWR ID	DWR_NA0010_05_f_2018_162				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows with large quantities of material displaced noted in this section.					

Photo 1 of 1 : FA_2019_NA0010_123_162_20190912_00048.jpg



Rodent burrow noted with large quantity of material displaced. (Fall 2018)

LM Start	27.01	Rating **	M	Issue No.	125
LM End	27.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.032675 °	37.032675 °
				-120.472841 °	-120.472841 °
DWR ID	DWR_NA0010_05_f_2017_125				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_125_20190912_00025.jpg



Looking north at the landside slope.

LM Start	27.03	Rating **	M	Issue No.	179
LM End	29.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032670 °	37.017890 °
				-120.472436 °	-120.432109 °
DWR ID	DWR_NA0010_05_f_2019_179				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	27.31	Rating **	A/W	Issue No.	1386
LM End	27.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.032668 °	37.032668 °
				-120.467299 °	-120.467299 °
DWR ID	19749				
Comment Code					
Inspector Comment					
DS_ID:19749 FS_ID:32807 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 27.22)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2019_32807_59358.jpg



Concrete headwall on WS toe.

LM Start	27.31	Rating **	A/W	Issue No.	1386 (cont)
LM End	27.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32807_59359.jpg



Flapgate at Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	27.31	Rating **	A/W	Issue No.	1386 (cont)
LM End	27.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.032668 °	37.032668 °
				-120.467299 °	-120.467299 °
DWR ID	19749				
Comment Code					
Inspector Comment					
DS_ID:19749 FS_ID:32807 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 27.22)]. FS Date: 3/25/2014					

Photo 3 of 3 : UCIP_FA_2019_32807_59357.jpg



Concrete headwall on LS toe.

LM Start	28.24	Rating **	M	Issue No.	163
LM End	28.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.032597 °	37.032595 °
				-120.450536 °	-120.450081 °
DWR ID	DWR_NA0010_05_f_2018_163				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	1387	
LM End	28.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.032623 °		37.032623 °
				-120.450108 °		-120.450108 °
DWR ID	19750					
Comment Code						
Inspector Comment						
DS_ID:19750 FS_ID:32823 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Animal Burrowing activity at LS toe may undermine headwall. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.17)]. FS Date: 3/25/2014						

LM Start	28.27	Rating **	M	Issue No.	1387 (cont)
LM End	28.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_32823_59382.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2019_32823_59383.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	1387 (cont)	
LM End	28.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.032623 °		37.032623 °
				-120.450108 °		-120.450108 °
DWR ID	19750					
Comment Code						
Inspector Comment						
DS_ID:19750 FS_ID:32823 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Animal Burrowing activity at LS toe may undermine headwall. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.17)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2019_32823_59381.jpg



Concrete headwall on LS toe.

LM Start	28.53	Rating **	U	Issue No.	180
LM End	28.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032586 °	37.032297 °
				-120.445332 °	-120.441298 °
DWR ID	DWR_NA0010_05_f_2019_180				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_180_20191108_00337.jpg



View of the landside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	28.74	Rating **	M	Issue No.	177
LM End	29.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032297 °	37.025560 °
				-120.441298 °	-120.437382 °
DWR ID	DWR_NA0010_05_f_2019_177				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	28.79	Rating **	A/W	Issue No.	1388
LM End	28.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.031640 °	37.031640 °
				-120.441389 °	-120.441389 °
DWR ID	19751				
Comment Code					
Inspector Comment					
DS_ID:19751 FS_ID:32832 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.69)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP_FA_2019_32832_59420.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	28.79	Rating **	A/W	Issue No.	1388 (cont)
LM End	28.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.031640 °	37.031640 °
				-120.441389 °	-120.441389 °
DWR ID	19751				
Comment Code					
Inspector Comment					
DS_ID:19751					
FS_ID:32832					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.69)].					
FS Date: 3/27/2014					

Photo 2 of 3 : UCIP_FA_2019_32832_59419.jpg



Concrete headwall on LS toe.

LM Start	28.79	Rating **	A/W	Issue No.	1388 (cont)
LM End	28.79	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_32832_59418.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.05	Rating **	M	Issue No.	1389	
LM End	29.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.028295 °		37.028295 °
				-120.439275 °		-120.439275 °
DWR ID	19752					
Comment Code						
Inspector Comment						
DS_ID:19752 FS_ID:50055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 same as previous inspection. Crossing has been downgraded from Urgent to Non-Urgent slide gate is on LS. Pipe is buried through WS. Need to coordinate with owner to determine permit used to authorized sleeved pipe. (DWR UCIP - O. Magana)3/27/2014 Slide gate will not close due to 24-inch PVC pipe sleeved through pipe. Also slide gate rails rusted beyond use. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch reinforced concrete irrigation siphon pipe through the levee, 12.1 feet below the crown. Concrete U-shaped headwall on inlet structure on the landside (LS) end. Slide gate mounted on concrete headwall on the LS. 36-inch corrugated metal pipe (CMP) riser with a slide gate on the LS, 8 feet upstream from the siphon. 24-inch pipe from this unit enters the siphon behind the inlet structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.95)]. FS Date: 7/20/2016						

Photo 1 of 3 : UCIP_FA_2019_50055_59410.jpg



Slide gate mounted to concrete headwall on LS toe.

LM Start	29.05	Rating **	M	Issue No.	1389 (cont)
LM End	29.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_50055_59409.jpg



24-inch PVC pipe sleeved through 48-inch concrete pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.05	Rating **	M	Issue No.	1389 (cont)	
LM End	29.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.028295 °	37.028295 °	
				-120.439275 °	-120.439275 °	
DWR ID	19752					
Comment Code						
Inspector Comment						
DS_ID:19752 FS_ID:50055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 same as previous inspection. Crossing has been downgraded from Urgent to Non-Urgent slide gate is on LS. Pipe is buried through WS. Need to coordinate with owner to determine permit used to authorized sleeved pipe. (DWR UCIP - O. Magana)3/27/2014 Slide gate will not close due to 24-inch PVC pipe sleeved through pipe. Also slide gate rails rusted beyond use. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch reinforced concrete irrigation siphon pipe through the levee, 12.1 feet below the crown. Concrete U-shaped headwall on inlet structure on the landside (LS) end. Slide gate mounted on concrete headwall on the LS. 36-inch corrugated metal pipe (CMP) riser with a slide gate on the LS, 8 feet upstream from the siphon. 24-inch pipe from this unit enters the siphon behind the inlet structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.95)]. FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_FA_2019_50055_59408.jpg



24-inch PVC pipe sleeved through 48-inch concrete pipe. Rails on Slide gate rusted beyond use.

LM Start	29.26	Rating **	U	Issue No.	182
LM End	34.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.025560 °	36.980528 °
				-120.437382 °	-120.368310 °
DWR ID	DWR_NA0010_05_f_2019_182				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_182_20191108_00339.jpg



View of the landside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.43	Rating **	M	Issue No.	164
LM End	29.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.023481 °	37.021442 °
				-120.435960 °	-120.434564 °
DWR ID	DWR_NA0010_05_f_2018_164				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is slope damage on waterside from livestock traffic.					

Photo 1 of 1 : FA_2019_NA0010_123_164_20190912_00049.jpg



Slope damage from animal traffic. (Fall 2018)

LM Start	29.58	Rating **	M	Issue No.	1390
LM End	29.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.021497 °	37.021497 °
				-120.434602 °	-120.434602 °
DWR ID	19753				
Comment Code					
Inspector Comment					
DS_ID:19753 FS_ID:39884 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.49)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP_FA_2019_39884_59414.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.58	Rating **	M	Issue No.	1390 (cont)	
LM End	29.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.021497°	37.021497°	
				-120.434602°	-120.434602°	
DWR ID	19753					
Comment Code						
Inspector Comment						
DS_ID:19753 FS_ID:39884 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.49)]. FS Date: 3/27/2014						

LM Start	29.58	Rating **	M	Issue No.	1390 (cont)
LM End	29.58	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39884_59413.jpg



Flapgate on Concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39884_59415.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.68	Rating **	M	Issue No.	171
LM End	29.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.020272 °	37.018712 °
				-120.433737 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is waterside erosion caused by livestock.					

Photo 1 of 2 : FA_2019_NA0010_123_171_20190912_00050.jpg



Looking south at animal erosion on waterward slope.

LM Start	29.68	Rating **	M	Issue No.	171 (cont)
LM End	29.80	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0010_123_171_20190912_00051.jpg



Looking north at animal erosion on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.82	Rating **	M	Issue No.	1391
LM End	29.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.018505 °	37.018505 °
				-120.432544 °	-120.432544 °
DWR ID	19754				
Comment Code					
Inspector Comment					
DS_ID:19754 FS_ID:39631 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.72)]. FS Date: 3/27/2014					

LM Start	29.82	Rating **	M	Issue No.	1391 (cont)
LM End	29.82	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39631_59424.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39631_59426.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.82	Rating **	M	Issue No.	1391 (cont)
LM End	29.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.018505 °	37.018505 °
				-120.432544 °	-120.432544 °
DWR ID	19754				
Comment Code					
Inspector Comment					
DS_ID:19754 FS_ID:39631 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.72)]. FS Date: 3/27/2014					

Photo 3 of 3 : UCIP_FA_2019_39631_59425.jpg



Concrete headwall on LS toe.

LM Start	29.87	Rating **	U	Issue No.	183
LM End	34.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.017890 °	36.978493 °
				-120.432109 °	-120.375129 °
DWR ID	DWR_NA0010_05_f_2019_183				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_183_20191108_00340.jpg



Looking upstream along the waterside slope. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	29.88	Rating **	M	Issue No.	129
LM End	31.19	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.017748 °	37.002885 °
				-120.432013 °	-120.417550 °
DWR ID	DWR_NA0010_05_f_2017_129				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	29.88	Rating **	U	Issue No.	185
LM End	30.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.017704 °	37.008094 °
				-120.431985 °	-120.423951 °
DWR ID	DWR_NA0010_05_f_2019_185				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_185_20191108_00341.jpg



View of the levee crown looking upstream. (Fall 2019)

LM Start	29.89	Rating **	M	Issue No.	16
LM End	29.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017540 °	37.016636 °
				-120.431955 °	-120.431243 °
DWR ID	DWR_NA0010_05_s_2012_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	30.14	Rating **	M	Issue No.	1392	
LM End	30.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.014471 °	37.014471 °	
				-120.429759 °	-120.429759 °	
DWR ID	19696					
Comment Code						
Inspector Comment						
DS_ID:19696						
FS_ID:39632						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.04)].						
FS Date: 3/27/2014						

LM Start	30.14	Rating **	M	Issue No.	1392 (cont)
LM End	30.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39632_59430.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39632_59431.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	30.14	Rating **	M	Issue No.	1392 (cont)
LM End	30.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.014471 °	37.014471 °
				-120.429759 °	-120.429759 °
DWR ID	19696				
Comment Code					
Inspector Comment					
DS_ID:19696 FS_ID:39632 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.04)]. FS Date: 3/27/2014					

Photo 3 of 3 : UCIP_FA_2019_39632_59429.jpg



Concrete headwall on LS toe.

LM Start	30.31	Rating **	M	Issue No.	133
LM End	30.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.012273 °	37.012273 °
				-120.428244 °	-120.428244 °
DWR ID	DWR_NA0010_05_s_2018_133				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There is a minor depression on levee crown. Possible sink hole.					

Photo 1 of 2 : FA_2019_NA0010_123_133_20190912_00030.jpg



Looking north at depression on levee crown. (Spring 2018)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	30.31	Rating **	M	Issue No.	133 (cont)	
LM End	30.31	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Crown Surface / Depressions / Rutting			37.012273 °		37.012273 °
				-120.428244 °		-120.428244 °
DWR ID	DWR_NA0010_05_s_2018_133					
Comment Code						
C2 : Repair depressions or ruts in the crown or slope.						
Inspector Comment						
There is a minor depression on levee crown. Possible sink hole.						

Photo 2 of 2 : FA_2019_NA0010_123_133_20190912_00031.jpg



Looking east at depression on levee crown. (Spring 2018)

LM Start	30.33	Rating **	M	Issue No.	187
LM End	30.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.011992 °	37.011992 °
				-120.428050 °	-120.428050 °
DWR ID	DWR_NA0010_05_s_2019_187				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	30.56	Rating **	A/W	Issue No.	107
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.009410 °	°
				-120.425560 °	°
DWR ID	DWR_NA0010_05_R_2012_01				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:26 Site Designation:DWR_NA0010_05_R_2012_01 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

LM Start	30.69	Rating **	M	Issue No.	186
LM End	31.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.008056 °	36.995157 °
				-120.423905 °	-120.408917 °
DWR ID	DWR_NA0010_05_f_2019_186				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.06	Rating **	M	Issue No.	1393	
LM End	31.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.004212 °	37.004212 °	
				-120.419178 °	-120.419178 °	
DWR ID	19697					
Comment Code						
Inspector Comment						
DS_ID:19697 FS_ID:39633 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Some debris buildup at LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.96)]. FS Date: 3/27/2014						

Photo 1 of 3 : UCIP_FA_2019_39633_59435.jpg



Concrete headwall on WS toe.

LM Start	31.06	Rating **	M	Issue No.	1393 (cont)
LM End	31.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39633_59436.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

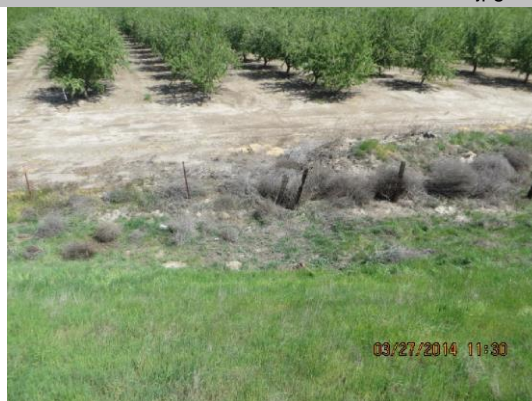
Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.06	Rating **	M	Issue No.	1393 (cont)	
LM End	31.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.004212 °	37.004212 °	
				-120.419178 °	-120.419178 °	
DWR ID	19697					
Comment Code						
Inspector Comment						
DS_ID:19697						
FS_ID:39633						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 03/27/2014 Some debris buildup at LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.96)].						
FS Date: 3/27/2014						

Photo 3 of 3 : UCIP_FA_2019_39633_59434.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	1394	
LM End	31.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.001754 °	37.001754 °	
				-120.416254 °	-120.416254 °	
DWR ID	19698					
Comment Code						
Inspector Comment						
DS_ID:19698 FS_ID:39643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Excess vegetation buildup at inlet on LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.19)]. FS Date: 3/27/2014						

Photo 1 of 3 : UCIP_FA_2019_39643_59439.jpg



Concrete headwall on WS toe.

LM Start	31.30	Rating **	M	Issue No.	1394 (cont)
LM End	31.30	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39643_59440.jpg



Flapgate at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	1394 (cont)	
LM End	31.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.001754 °	37.001754 °	
				-120.416254 °	-120.416254 °	
DWR ID	19698					
Comment Code						
Inspector Comment						
DS_ID:19698 FS_ID:39643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Excess vegetation buildup at inlet on LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.19)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP_FA_2019_39643_59438.jpg



Concrete headwall on LS toe.

LM Start	31.74	Rating **	A/W	Issue No.	1395
LM End	31.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.997001 °	36.997001 °
				-120.410991 °	-120.410991 °
DWR ID	19699				
Comment Code					
Inspector Comment					
DS_ID:19699					
FS_ID:39644					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 48-inch by 36-inch reinforced concrete box gravity drainage culvert through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.64)].					
FS Date: 3/27/2014					

Photo 1 of 3 : UCIP_FA_2019_39644_59444.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.74	Rating **	A/W	Issue No.	1395 (cont)	
LM End	31.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.997001 °	36.997001 °	
				-120.410991 °	-120.410991 °	
DWR ID	19699					
Comment Code						
Inspector Comment						
DS_ID:19699						
FS_ID:39644						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 48-inch by 36-inch reinforced concrete box gravity drainage culvert through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.64)].						
FS Date: 3/27/2014						

Photo 2 of 3 : UCIP_FA_2019_39644_59442.jpg



Concrete headwall on WS toe.

LM Start	31.74	Rating **	A/W	Issue No.	1395 (cont)
LM End	31.74	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39644_59443.jpg



Concrete headwall on LS toe. Note tumbleweeds blocking inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.80	Rating **	M	Issue No.	1396
LM End	31.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.995029 °	36.995029 °
				-120.408914 °	-120.408914 °
DWR ID	19700				
Comment Code					
Inspector Comment					
DS_ID:19700					
FS_ID:39645					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.71)].					
FS Date: 4/1/2014					

LM Start	31.80	Rating **	M	Issue No.	1396 (cont)
LM End	31.80	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39645_59686.jpg



Concrete headwall at channel on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39645_59687.jpg



Flapgate on Concrete headwall at channel on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	31.80	Rating **	M	Issue No.	1396 (cont)	
LM End	31.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.995029 °	36.995029 °	
				-120.408914 °	-120.408914 °	
DWR ID	19700					
Comment Code						
Inspector Comment						
DS_ID:19700 FS_ID:39645 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.71)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39645_59685.jpg



Concrete headwall on LS toe.

LM Start	31.92	Rating **	U	Issue No.	188
LM End	32.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.993764 °	36.990236 °
				-120.407395 °	-120.403476 °
DWR ID	DWR_NA0010_05_f_2019_188				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_188_20191108_00343.jpg



Looking upstream along the levee crown. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	32.32	Rating **	M	Issue No.	1397
LM End	32.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.989435 °	36.989435 °
				-120.402626 °	-120.402626 °
DWR ID	19701				
Comment Code					
Inspector Comment					
DS_ID:19701					
FS_ID:39646					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/01/2014 Some silt buildup inside culvert. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 32.22)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP_FA_2019_39646_59690.jpg



Concrete headwall at inlet on LS toe.

LM Start	32.32	Rating **	M	Issue No.	1397 (cont)
LM End	32.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39646_59688.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	32.32	Rating **	M	Issue No.	1397 (cont)	
LM End	32.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.989435 °	36.989435 °	
				-120.402626 °	-120.402626 °	
DWR ID	19701					
Comment Code						
Inspector Comment						
DS_ID:19701						
FS_ID:39646						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Some silt buildup inside culvert. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 32.22)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39646_59689.jpg



Concrete headwall at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	33.11	Rating **	M	Issue No.	1398	
LM End	33.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.980861 °	36.980861 °	
				-120.393116 °	-120.393116 °	
DWR ID	19702					
Comment Code						
Inspector Comment						
DS_ID:19702 FS_ID:39647 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup blocking landward headwall--recommend contacting owner to clear debris. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.01)]. FS Date: 4/1/2014						

Photo 1 of 3 : UCIP_FA_2019_39647_59697.jpg



Concrete headwall at WS toe.

LM Start	33.11	Rating **	M	Issue No.	1398 (cont)
LM End	33.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39647_59699.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	33.11	Rating **	M	Issue No.	1398 (cont)	
LM End	33.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.980861 °	36.980861 °	
				-120.393116 °	-120.393116 °	
DWR ID	19702					
Comment Code						
Inspector Comment						
DS_ID:19702 FS_ID:39647 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup blocking landward headwall--recommend contacting owner to clear debris. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.01)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39647_59698.jpg



Concrete headwall at inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	1399	
LM End	33.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.976808 °	36.976808 °	
				-120.382593 °	-120.382593 °	
DWR ID	19703					
Comment Code						
Inspector Comment						
DS_ID:19703						
FS_ID:39648						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.9 feet below the crown.						
Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.72)].						
FS Date: 4/1/2014						

LM Start	33.81	Rating **	M	Issue No.	1399 (cont)
LM End	33.81	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39648_59701.jpg



Concrete headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2019_39648_59700.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	1399 (cont)	
LM End	33.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.976808 °	36.976808 °	
				-120.382593 °	-120.382593 °	
DWR ID	19703					
Comment Code						
Inspector Comment						
DS_ID:19703						
FS_ID:39648						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.9 feet below the crown.						
Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.72)].						
FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39648_59702.jpg



Concrete headwall at LS toe.

LM Start	33.82	Rating **	M	Issue No.	130
LM End	33.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.976849°	36.976849°
				-120.382393°	-120.382393°
DWR ID	DWR_NA0010_05_f_2017_130				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_123_130_20190912_00027.jpg



Looking east at the landside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	33.83	Rating **	M	Issue No.	189
LM End	34.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976923 °	36.978510 °
				-120.382178 °	-120.372669 °
DWR ID	DWR_NA0010_05_f_2019_189				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	34.26	Rating **	M	Issue No.	176
LM End	34.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.978510 °	36.978504 °
				-120.374796 °	-120.370342 °
DWR ID	DWR_NA0010_05_f_2019_176				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	34.61	Rating **	M	Issue No.	11
LM End	34.61	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.978523 °	36.978523 °
				-120.368520 °	-120.368520 °
DWR ID	DWR_NA0010_05_s_2012_11				
Comment Code					
RA : Ramp					
Inspector Comment					
There is an unauthorized ramp on waterside slope. Landowner cut unauthorized ramp on waterside slope and levee crown.					

Photo 1 of 4 : FA_2019_NA0010_123_11_20190912_00007.jpg



Looking west at ramp on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	34.61	Rating **	M	Issue No.	11 (cont)	
LM End	34.61	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.978523 °		36.978523 °
				-120.368520 °		-120.368520 °
DWR ID	DWR_NA0010_05_s_2012_11					
Comment Code						
RA : Ramp						
Inspector Comment						
There is an unauthorized ramp on waterside slope. Landowner cut unauthorized ramp on waterside slope and levee crown.						

Photo 2 of 4 : FA_2019_NA0010_123_11_20190912_00008.jpg



Looking west at cut on levee crown.

LM Start	34.61	Rating **	M	Issue No.	11 (cont)
LM End	34.61	Issue Type +	En	Location *	WS

Photo 3 of 4 : FA_2019_NA0010_123_11_20190912_00009.jpg



Looking at cut on levee crown.

LM Start	34.61	Rating **	M	Issue No.	11 (cont)
LM End	34.61	Issue Type +	En	Location *	WS

Photo 4 of 4 : FA_2019_NA0010_123_11_20190912_00010.jpg



Looking southwest at unauthorized ramp on waterward slope. (2015)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	34.61	Rating **	M	Issue No.	1400	
LM End	34.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.978593 °	36.978593 °	
				-120.368511 °	-120.368511 °	
DWR ID	19755					
Comment Code						
Inspector Comment						
DS_ID:19755 FS_ID:39649 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup visible on waterward headwall--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Chowchilla Canal Irrigation Structure] 36-inch by 36-inch reinforced concrete box gravity irrigation culvert through the levee, 9.7 feet below the crown. Slide gate in a 56-inch by 91-inch concrete riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Landside channel cobble revetted for 8 feet. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 34.51)]. FS Date: 4/1/2014						

LM Start	34.61	Rating **	M	Issue No.	1400 (cont)
LM End	34.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_39649_59706.jpg



Slide gate in concrete riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2019_39649_59704.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/24/2019 10/29/2019	Corey Fujitani

LM Start	34.61	Rating **	M	Issue No.	1400 (cont)	
LM End	34.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.978593 °	36.978593 °	
				-120.368511 °	-120.368511 °	
DWR ID	19755					
Comment Code						
Inspector Comment						
DS_ID:19755 FS_ID:39649 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup visible on waterward headwall--recommend contacting owner to clear pipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Chowchilla Canal Irrigation Structure] 36-inch by 36-inch reinforced concrete box gravity irrigation culvert through the levee, 9.7 feet below the crown. Slide gate in a 56-inch by 91-inch concrete riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Landside channel cobble revetted for 8 feet. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 34.51)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39649_59705.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 06 East Side Bypass			Left	36.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/27/2019 - 3/28/2019		10/28/2019 - 10/30/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	61
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.275912°	37.272348°	
			-120.825685°	-120.817401°	
DWR ID	DWR_NA0010_06_f_2019_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	62
LM End	4.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.275912°	37.243065°	
			-120.825685°	-120.759741°	
DWR ID	DWR_NA0010_06_f_2019_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.46	Rating **	M	Issue No.	94
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.273362°	37.273362°	
			-120.818471°	-120.818471°	
DWR ID	DWR_NA0010_06_f_2018_94				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	0.66	Rating **	M	Issue No.	1212	
LM End	0.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.271444 °		37.271444 °
				-120.815835 °		-120.815835 °
DWR ID	19815					
Comment Code						
Inspector Comment						
DS_ID:19815 FS_ID:39463 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup on landward side. Recommend removing sediment buildup on landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 7.2 feet below the crown. Pump on concrete structure in the channel. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.74)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_39463_66341.jpg



View of waterward side.

LM Start	0.66	Rating **	M	Issue No.	1212 (cont)
LM End	0.66	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39463_66343.jpg



View of slope on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	0.66	Rating **	M	Issue No.	1212 (cont)	
LM End	0.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.271444 °	37.271444 °	
				-120.815835 °	-120.815835 °	
DWR ID	19815					
Comment Code						
Inspector Comment						
DS_ID:19815 FS_ID:39463 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup on landward side. Recommend removing sediment buildup on landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 7.2 feet below the crown. Pump on concrete structure in the channel. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.74)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39463_66342.jpg



Pump station visible on waterward side.

LM Start	0.78	Rating **	M	Issue No.	1213	
LM End	0.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.270460 °		37.270460 °
				-120.814290 °		-120.814290 °
DWR ID	19816					
Comment Code						
Inspector Comment						
DS_ID:19816 FS_ID:36565 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Landward side blocked--need to contact owner to determine status of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.86)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36565_66346.jpg



Overview of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	1213 (cont)	
LM End	0.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.270460 °	37.270460 °	
				-120.814290 °	-120.814290 °	
DWR ID	19816					
Comment Code						
Inspector Comment						
DS_ID:19816 FS_ID:36565 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Landward side blocked--need to contact owner to determine status of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.86)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_36565_66345.jpg



Concrete structure located on waterward toe.

LM Start	0.78	Rating **	M	Issue No.	1213 (cont)
LM End	0.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36565_66344.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	0.96	Rating **	M	Issue No.	63
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.268361°	37.246631°
				-120.812904°	-120.765879°
DWR ID	DWR_NA0010_06_f_2019_63				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.18	Rating **	U	Issue No.	93
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.267101 °	37.267101 °
				-120.809603 °	-120.809603 °
DWR ID	DWR_NA0010_06_f_2018_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows including large burrows were observed at this location.					

LM Start	1.18	Rating **	U	Issue No.	93 (cont)
LM End	1.18	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_NA0010_124_93_20190912_00035.jpg



View of landside slope. (Fall 2018)

Photo 2 of 2 : FA_2019_NA0010_124_93_20190912_00036.jpg



View and measurement of large rodent hole found at this location. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	1.84	Rating **	M	Issue No.	125
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259527°	37.259527°
				-120.803300°	-120.803300°
DWR ID	DWR_NA0010_06_s_2012_125				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.87	Rating **	M	Issue No.	1214	
LM End	1.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.259312 °		37.259312 °
				-120.802863 °		-120.802863 °
DWR ID	19817					
Comment Code						
Inspector Comment						
DS_ID:19817 FS_ID:36566 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.95)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36566_66348.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	1.87	Rating **	M	Issue No.	1214 (cont)	
LM End	1.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.259312 °	37.259312 °	
				-120.802863 °	-120.802863 °	
DWR ID	19817					
Comment Code						
Inspector Comment						
DS_ID:19817 FS_ID:36566 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.95)]. FS Date: 4/18/2014						

LM Start	1.87	Rating **	M	Issue No.	1214 (cont)
LM End	1.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36566_66350.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2019_36566_66349.jpg



Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	2.42	Rating **	U	Issue No.	92
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.254519 °	37.254519 °
				-120.795141 °	-120.795141 °
DWR ID	DWR_NA0010_06_f_2018_92				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

LM Start	2.42	Rating **	U	Issue No.	92 (cont)
LM End	2.42	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_NA0010_124_92_20190912_00033.jpg



View of large rodent holes in landside slope. (Fall 2018)

Photo 2 of 2 : FA_2019_NA0010_124_92_20190912_00034.jpg



Measurement of large burrow. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	2.53	Rating **	M	Issue No.	1215
LM End	2.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.252948 °	37.252948 °
				-120.794352 °	-120.794352 °
DWR ID	19818				
Comment Code					
Inspector Comment					
DS_ID:19818 FS_ID:39464 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.9 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.61)]. FS Date: 4/18/2014					

LM Start	2.53	Rating **	M	Issue No.	1215 (cont)
LM End	2.53	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39464_66354.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39464_66357.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	2.53	Rating **	M	Issue No.	1215 (cont)
LM End	2.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.252948 °	37.252948 °
				-120.794352 °	-120.794352 °
DWR ID	19818				
Comment Code					
Inspector Comment					
DS_ID:19818 FS_ID:39464 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.9 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.61)]. FS Date: 4/18/2014					

Photo 3 of 3 : UCIP_FA_2019_39464_66356.jpg



CMP riser, concrete headwall, and pipe visible on waterward side.

LM Start	2.54	Rating **	M	Issue No.	76
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.252874 °	37.252874 °
				-120.794192 °	-120.794192 °
DWR ID	DWR_NA0010_06_f_2016_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent burrows in the landside slope at this location.					

Photo 1 of 1 : FA_2019_NA0010_124_76_20190912_00020.jpg



Representative view of rodent burrow found at this section. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	1216	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.252743 °		37.252743 °
				-120.793756 °		-120.793756 °
DWR ID	19819					
Comment Code						
Inspector Comment						
DS_ID:19819						
FS_ID:36568						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.65)].						
FS Date: 4/18/2014						

LM Start	2.57	Rating **	M	Issue No.	1216 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36568_66362.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_36568_66360.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	1216 (cont)	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.252743 °		37.252743 °
				-120.793756 °		-120.793756 °
DWR ID	19819					
Comment Code						
Inspector Comment						
DS_ID:19819 FS_ID:36568 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.65)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_36568_66359.jpg



View of concrete headwall, flap gate, and concrete apron located on waterside side.

LM Start	2.77	Rating **	M	Issue No.	1217	
LM End	2.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.253020 °		37.253020 °
				-120.790219 °		-120.790219 °
DWR ID	19820					
Comment Code						
Inspector Comment						
DS_ID:19820						
FS_ID:36569						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36569_66369.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	2.77	Rating **	M	Issue No.	1217 (cont)	
LM End	2.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.253020 °		37.253020 °
				-120.790219 °		-120.790219 °
DWR ID	19820					
Comment Code						
Inspector Comment						
DS_ID:19820 FS_ID:36569 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_36569_66368.jpg



Overview of levee crown at crossing.

LM Start	2.77	Rating **	M	Issue No.	1217 (cont)
LM End	2.77	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36569_66372.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.01	Rating **	M	Issue No.	1218	
LM End	3.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.253811 °	37.253811 °	
				-120.786059 °	-120.786059 °	
DWR ID	19821					
Comment Code						
Inspector Comment						
DS_ID:19821 FS_ID:36583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36583_66381.jpg



View of waterward side.

LM Start	3.01	Rating **	M	Issue No.	1218 (cont)
LM End	3.01	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36583_66380.jpg



Flap gate and concrete headwall visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.01	Rating **	M	Issue No.	1218 (cont)	
LM End	3.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.253811 °		37.253811 °
				-120.786059 °		-120.786059 °
DWR ID	19821					
Comment Code						
Inspector Comment						
DS_ID:19821 FS_ID:36583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_36583_66383.jpg



View of landward side.

LM Start	3.21	Rating **	M	Issue No.	1219	
LM End	3.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.253513 °		37.253513 °
				-120.782509 °		-120.782509 °
DWR ID	19822					
Comment Code						
Inspector Comment						
DS_ID:19822						
FS_ID:36584						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36584_66384.jpg



Overview of levee crown and landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.21	Rating **	M	Issue No.	1219 (cont)	
LM End	3.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.253513 °	37.253513 °	
				-120.782509 °	-120.782509 °	
DWR ID	19822					
Comment Code						
Inspector Comment						
DS_ID:19822 FS_ID:36584 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_36584_66386.jpg



View of waterward side.

LM Start	3.21	Rating **	M	Issue No.	1219 (cont)
LM End	3.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36584_66385.jpg



Crossing goes through the levee at an angle. Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	1220
LM End	3.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.252152°	37.252152°
				-120.779969°	-120.779969°
DWR ID	19823				
Comment Code					
Inspector Comment					
DS_ID:19823 FS_ID:36585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Alignment of crossing unknown--altered crossing. No headwall found on landward side only siphon breaker found a short distance from landward toe. Tall grass observed on waterward slope and some burrow activity also noticed. Need to contact owner to determine alignment of crossing and status of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Bench mark (BM) stamped 9770-152 on top of the WS headwall. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/18/2014					

LM Start	3.38	Rating **	M	Issue No.	1220 (cont)
LM End	3.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36585_66389.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_36585_66390.jpg



Flap gate and concrete headwall visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	1220 (cont)	
LM End	3.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.252152°	37.252152°	
				-120.779969°	-120.779969°	
DWR ID	19823					
Comment Code						
Inspector Comment						
DS_ID:19823 FS_ID:36585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Alignment of crossing unknown--altered crossing. No headwall found on landward side only siphon breaker found a short distance from landward toe. Tall grass observed on waterward slope and some burrow activity also noticed. Need to contact owner to determine alignment of crossing and status of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Bench mark (BM) stamped 9770-152 on top of the WS headwall. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_36585_66391.jpg



View of landward side. No signs of concrete headwall only siphon breaker visible on landward side.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.42	Rating **	M	Issue No.	1221	
LM End	3.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.251902°	37.251902°	
				-120.779391°	-120.779391°	
DWR ID	19824					
Comment Code						
Inspector Comment						
DS_ID:19824 FS_ID:39482 EP_NO: 6965 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/18/2014 Description of structure does not match. Need to contact owner. Current description includes concrete platform, trash screen, and gage reading on waterward side. Metal box located on waterward shoulder. Large plant facility locate on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 7.4 feet below the crown. Corrugated metal cutoff wall around the pipe in the center of the levee. Pump on the waterside (WS) with a timber platform on the berm for support. Siphon breaker on the apex of the pipe on the landside (LS) shoulder. Pipe exposed on both slopes. (Plans to place a 20-inch irrigation pipe through the levee authorized under Permit No. 6965, 1971 - Scarborough, Robinson, and Associates). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

LM Start	3.42	Rating **	M	Issue No.	1221 (cont)
LM End	3.42	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_39482_71643.jpg



View of structure located on waterward side.

Photo 2 of 3 : UCIP_FA_2019_39482_71644.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.42	Rating **	M	Issue No.	1221 (cont)	
LM End	3.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.251902°	37.251902°	
				-120.779391°	-120.779391°	
DWR ID	19824					
Comment Code						
Inspector Comment						
DS_ID:19824 FS_ID:39482 EP_NO: 6965 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/18/2014 Description of structure does not match. Need to contact owner. Current description includes concrete platform, trash screen, and gage reading on waterward side. Metal box located on waterward shoulder. Large plant facility locate on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 7.4 feet below the crown. Corrugated metal cutoff wall around the pipe in the center of the levee. Pump on the waterside (WS) with a timber platform on the berm for support. Siphon breaker on the apex of the pipe on the landside (LS) shoulder. Pipe exposed on both slopes. (Plans to place a 20-inch irrigation pipe through the levee authorized under Permit No. 6965, 1971 - Scarborough, Robinson, and Associates). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

Photo 3 of 3 : UCIP_FA_2019_39482_71642.jpg



Metal box located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	1222	
LM End	3.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.251687°	37.251687°	
				-120.778534°	-120.778534°	
DWR ID	19825					
Comment Code						
Inspector Comment						
DS_ID:19825 FS_ID:39465 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside pipe visible from landward side. Excess soil is also present on landward toe partially blocking concrete headwall and inlet. Recommend removing soil from landward toe and clear buildup inside. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. Pipe connects to a 30-inch steel drainage pipe on the WS. Drainage pipe extends to the pump on the WS on a support platform in the channel. (Extension drainage pipe and pump installed under Permit No. 12527, 1979 - Joseph Gallo). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.54)]. FS Date: 4/18/2014						

LM Start	3.47	Rating **	M	Issue No.	1222 (cont)
LM End	3.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39465_66394.jpg



View of waterward side--cmp riser and concrete headwall visible.

Photo 2 of 3 : UCIP_FA_2019_39465_66395.jpg



Inside view of cmp riser located on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

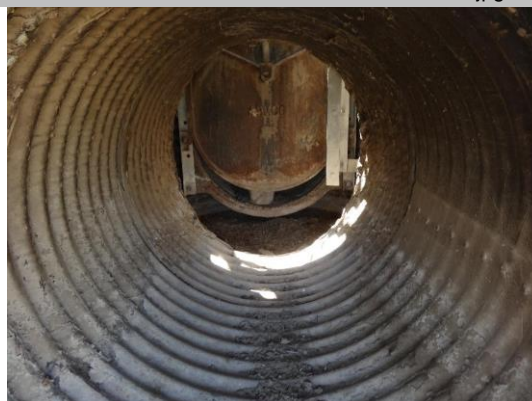
Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	1222 (cont)	
LM End	3.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.251687°	37.251687°	
				-120.778534°	-120.778534°	
DWR ID	19825					
Comment Code						
Inspector Comment						
DS_ID:19825 FS_ID:39465 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside pipe visible from landward side. Excess soil is also present on landward toe partially blocking concrete headwall and inlet. Recommend removing soil from landward toe and clear buildup inside. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. Pipe connects to a 30-inch steel drainage pipe on the WS. Drainage pipe extends to the pump on the WS on a support platform in the channel. (Extension drainage pipe and pump installed under Permit No. 12527, 1979 - Joseph Gallo). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.54)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39465_66397.jpg



Inside view of pipe from waterward side.

LM Start	3.49	Rating **	M	Issue No.	67
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.251602°	37.251602°
				-120.778118°	-120.778118°
DWR ID	DWR_NA0010_06_f_2017_67				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_67_20190912_00013.jpg



Looking east at the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.69	Rating **	M	Issue No.	1223	
LM End	3.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.251199 °		37.251199 °
				-120.774474 °		-120.774474 °
DWR ID	19826					
Comment Code						
Inspector Comment						
DS_ID:19826 FS_ID:39466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.77)]. FS Date: 4/18/2014						

LM Start	3.69	Rating **	M	Issue No.	1223 (cont)
LM End	3.69	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39466_66413.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39466_66412.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.69	Rating **	M	Issue No.	1223 (cont)	
LM End	3.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.251199 °		37.251199 °
				-120.774474 °		-120.774474 °
DWR ID	19826					
Comment Code						
Inspector Comment						
DS_ID:19826 FS_ID:39466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.77)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39466_66411.jpg



View of flap gate visible on waterward side.

LM Start	3.89	Rating **	M	Issue No.	1224	
LM End	3.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.250742°	37.250742°	
				-120.771026°	-120.771026°	
DWR ID	19827					
Comment Code						
Inspector Comment						
DS_ID:19827 FS_ID:39467 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.97)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_39467_66407.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	3.89	Rating **	M	Issue No.	1224 (cont)	
LM End	3.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.250742 °	37.250742 °	
				-120.771026 °	-120.771026 °	
DWR ID	19827					
Comment Code						
Inspector Comment						
DS_ID:19827 FS_ID:39467 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.97)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_39467_66406.jpg



Slide gate inside CMP riser visible on waterward slope.

LM Start	3.89	Rating **	M	Issue No.	1224 (cont)
LM End	3.89	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39467_66410.jpg



Inside view of CMP riser located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.09	Rating **	M	Issue No.	1225	
LM End	4.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.248353 °	37.248353 °	
				-120.768922 °	-120.768922 °	
DWR ID	19828					
Comment Code						
Inspector Comment						
DS_ID:19828 FS_ID:36606 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.17)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36606_66418.jpg



View of waterward side.

LM Start	4.09	Rating **	M	Issue No.	1225 (cont)
LM End	4.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36606_66417.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

Concrete hedwall visible on landward side.

View of waterward side--concrete headwall and flap gate visible.

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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.33	Rating **	M	Issue No.	1226 (cont)	
LM End	4.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.246459 °	37.246459 °	
				-120.765470 °	-120.765470 °	
DWR ID	19829					
Comment Code						
Inspector Comment						
DS_ID:19829						
FS_ID:36607						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.41)].						
FS Date: 4/18/2014						

View of landward side--concrete headwall visible through dense vegetation.

LM Start	4.62	Rating **	M	Issue No.	1227
LM End	4.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID	19830				
Comment Code					
Inspector Comment					
DS_ID:19830 FS_ID:39468 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.9 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.70)]. FS Date: 4/18/2014					

A wide-angle photograph of a gravel road stretching into the distance under a clear blue sky. The road is flanked by green fields and a few scattered trees. A small, weathered wooden structure is visible on the right side of the road.

Overview of levee crown at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.62	Rating **	M	Issue No.	1227 (cont)	
LM End	4.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.243946°	37.243946°	
				-120.761296°	-120.761296°	
DWR ID	19830					
Comment Code						
Inspector Comment						
DS_ID:19830 FS_ID:39468 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.9 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.70)]. FS Date: 4/18/2014						

LM Start	4.62	Rating **	M	Issue No.	1227 (cont)
LM End	4.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39468_66426.jpg



Inside view of CMP riser located on waterward.

Photo 3 of 3 : UCIP_FA_2019_39468_66424.jpg



Inside view of pipe from waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.67	Rating **	U	Issue No.	71
LM End	5.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.243477°	37.238362°
				-120.760678°	-120.742356°
DWR ID	DWR_NA0010_06_f_2019_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_71_20191108_00194.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	4.67	Rating **	M	Issue No.	1228
LM End	4.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.243408°	37.243408°
				-120.760564°	-120.760564°
DWR ID	19831				
Comment Code					
Inspector Comment					
DS_ID:19831					
FS_ID:36609					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/18/2014 Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward side. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.75)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_36609_66433.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.67	Rating **	M	Issue No.	1228 (cont)	
LM End	4.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.243408 °	37.243408 °	
				-120.760564 °	-120.760564 °	
DWR ID	19831					
Comment Code						
Inspector Comment						
DS_ID:19831						
FS_ID:36609						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward side. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.75)].						
FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_36609_66432.jpg



Flap gate, concrete headwall and apron visible on waterward toe.

LM Start	4.67	Rating **	M	Issue No.	1228 (cont)
LM End	4.67	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36609_66431.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.72	Rating **	U	Issue No.	73
LM End	5.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.243067°	37.238362°
				-120.759740°	-120.742356°
DWR ID	DWR_NA0010_06_f_2019_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_73_20191112_00195.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	4.86	Rating **	M	Issue No.	1229	
LM End	4.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.242024 °	37.242024 °	
				-120.757602 °	-120.757602 °	
DWR ID	19862					
Comment Code						
Inspector Comment						
DS_ID:19862 FS_ID:36610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along waterward slope to conduct proper inspection of structure. Also recommend removing dense vegetation blocking landward headwall. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.94)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36610_66436.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	4.86	Rating **	M	Issue No.	1229 (cont)	
LM End	4.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.242024 °	37.242024 °	
				-120.757602 °	-120.757602 °	
DWR ID	19862					
Comment Code						
Inspector Comment						
DS_ID:19862 FS_ID:36610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along waterward slope to conduct proper inspection of structure. Also recommend removing dense vegetation blocking landward headwall. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.94)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_36610_66438.jpg



View of flap gate, concrete headwall and apron located on waterward side.

LM Start	4.86	Rating **	M	Issue No.	1229 (cont)
LM End	4.86	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36610_66437.jpg



Close up of flap gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	1230	
LM End	5.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.239098 °	37.239098 °	
				-120.751774 °	-120.751774 °	
DWR ID	19863					
Comment Code						
Inspector Comment						
DS_ID:19863						
FS_ID:39875						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Clear vegetation from waterward slope and landward headwall. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.34)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_39875_61599.jpg



View of waterward side.

LM Start	5.26	Rating **	M	Issue No.	1230 (cont)
LM End	5.26	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39875_61598.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	1230 (cont)	
LM End	5.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.239098 °	37.239098 °	
				-120.751774 °	-120.751774 °	
DWR ID	19863					
Comment Code						
Inspector Comment						
DS_ID:19863 FS_ID:39875 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Clear vegetation from waterward slope and landward headwall. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.34)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39875_61597.jpg



View of landward side.

LM Start	5.33	Rating **	M	Issue No.	75
LM End	5.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.238948°	37.238425°
				-120.750519°	-120.743263°
DWR ID	DWR_NA0010_06_f_2019_75				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.55	Rating **	M	Issue No.	1231	
LM End	5.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.238610 °	37.238610 °	
				-120.746591 °	-120.746591 °	
DWR ID	19864					
Comment Code						
Inspector Comment						
DS_ID:19864 FS_ID:36611 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also recommend removing excess vegetation at landward headwall. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.63)]. FS Date: 4/18/2014						

LM Start	5.55	Rating **	M	Issue No.	1231 (cont)
LM End	5.55	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36611_66441.jpg



Concrete headwall and flap gate visible on waterward toe.

Photo 2 of 3 : UCIP_FA_2019_36611_66440.jpg



View of waterward side--dense vegetation covers slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.55	Rating **	M	Issue No.	1231 (cont)	
LM End	5.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.238610 °	37.238610 °	
				-120.746591 °	-120.746591 °	
DWR ID	19864					
Comment Code						
Inspector Comment						
DS_ID:19864						
FS_ID:36611						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also recommend removing excess vegetation at landward headwall. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.63)].						
FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_36611_66439.jpg



View of landward side.

LM Start	5.81	Rating **	M	Issue No.	66
LM End	5.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.238189 °	37.238189 °
				-120.741946 °	-120.741946 °
DWR ID	DWR_NA0010_06_f_2017_66				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is damage to the landside slope and shoulder from livestock.					

Photo 1 of 2 : FA_2019_NA0010_124_66_20191112_00196.jpg



View of damage to landside slope from livestock traffic looking downstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.81	Rating **	M	Issue No.	66 (cont)	
LM End	5.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.238189 °		37.238189 °
				-120.741946 °		-120.741946 °
DWR ID	DWR_NA0010_06_f_2017_66					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
There is damage to the landside slope and shoulder from livestock.						

Photo 2 of 2 : FA_2019_NA0010_124_66_20190912_00012.jpg



Damage from livestock. (Fall 2018)

LM Start	5.93	Rating **	M	Issue No.	69
LM End	6.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.236936 °	37.235487 °
				-120.740384 °	-120.737685 °
DWR ID	DWR_NA0010_06_f_2015_69				
Comment Code					
PO : Pole					
Inspector Comment					
There are several PG&E poles within this section at the landside toe and slope.					

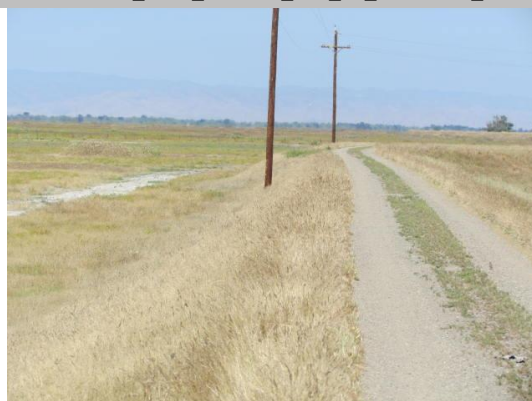
Photo 1 of 2 : FA_2019_NA0010_124_69_20190912_00015.jpg



Looking at power pole on landward slope.

LM Start	5.93	Rating **	M	Issue No.	69 (cont)
LM End	6.25	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_124_69_20190912_00016.jpg



Looking west at several PG&E poles on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.98	Rating **	A/W	Issue No.	1232	
LM End	5.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.236414 °	37.236414 °	
				-120.739735 °	-120.739735 °	
DWR ID	19865					
Comment Code						
Inspector Comment						
DS_ID:19865 FS_ID:51312 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 7/19/2016 Site has been repaired on WS and LS (see photos below). (DWR UCIP - omagana)5/26/2016 Erosion is undermining the WS headwall of drainage structure (photos of WS headwall provided by DWR Inspector R. Willoughby). Potential pipe failure at the outlet just behind headwall, recommend completing internal wall integrity of pipe length through levee to determine extent of damage to pipe. (DWR UCIP - omagana)4/18/2014 Need to contact owner. Sediment buildup in pipe visible on landside--recommend clearing. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.06)]. FS Date: 7/19/2016						

LM Start	5.98	Rating **	A/W	Issue No.	1232 (cont)
LM End	5.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_51312_75493.jpg



View of WS--rock protection along drainage path.

Photo 2 of 3 : UCIP_FA_2019_51312_75488.jpg



WS drainage path protected by rip rap.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	5.98	Rating **	A/W	Issue No.	1232 (cont)	
LM End	5.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.236414 °	37.236414 °	
				-120.739735 °	-120.739735 °	
DWR ID	19865					
Comment Code						
Inspector Comment						
DS_ID:19865						
FS_ID:51312						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 7/19/2016 Site has been repaired on WS and LS (see photos below). (DWR UCIP - omagana)5/26/2016 Erosion is undermining the WS headwall of drainage structure (photos of WS headwall provided by DWR Inspector R. Willoughby). Potential pipe failure at the outlet just behind headwall, recommend completing internal wall integrity of pipe length through levee to determine extent of damage to pipe. (DWR UCIP - omagana)4/18/2014 Need to contact owner. Sediment buildup in pipe visible on landside--recommend clearing. (DWR UCIP - omagana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.06)].						
FS Date: 7/19/2016						

Photo 3 of 3 : UCIP_FA_2019_51312_75489.jpg



Inside view of pipe from WS.

LM Start	6.06	Rating **	M	Issue No.	22
LM End	6.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235777 °	37.235777 °
				-120.738598 °	-120.738598 °
DWR ID	DWR_NA0010_06_s_2012_22				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	6.09	Rating **	M	Issue No.	21
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235623 °	37.235623 °
				-120.738017 °	-120.738017 °
DWR ID	DWR_NA0010_06_s _ 2012_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.09	Rating **	M	Issue No.	85
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.235572 °	37.235572 °
				-120.738002 °	-120.738002 °
DWR ID	DWR_NA0010_06_f _ 2018_85				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Livestock damage to slope and shoulder of levee.					

Photo 1 of 1 : FA_2019_NA0010_124_85_20190912_00029.jpg



View of livestock damage on waterside slope. (Fall 2018)

LM Start	6.10	Rating **	A/W	Issue No.	84
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.235570 °	37.235570 °
				-120.737998 °	-120.737998 °
DWR ID	DWR_NA0010_06_f _ 2018_84				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage to slope and crown from livestock.					

Photo 1 of 1 : FA_2019_NA0010_124_84_20190912_00028.jpg



Erosion to slope and into crown from livestock. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	6.10	Rating **	M	Issue No.	77
LM End	6.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.235539 °	37.234396 °
				-120.737863 °	-120.733374 °
DWR ID	DWR_NA0010_06_f_2019_77				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.70	Rating **	A/W	Issue No.	1233	
LM End	6.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.230508 °	37.230508 °	
				-120.729634 °	-120.729634 °	
DWR ID	19866					
Comment Code						
Inspector Comment						
DS_ID:19866						
FS_ID:33984						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.79)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_33984_61628.jpg



Slide gate inside CMP riser and pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	6.70	Rating **	A/W	Issue No.	1233 (cont)
LM End	6.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.230508 °	37.230508 °
				-120.729634 °	-120.729634 °
DWR ID	19866				
Comment Code					
Inspector Comment					
DS_ID:19866					
FS_ID:33984					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.79)].					
FS Date: 4/18/2014					

Photo 2 of 3 : UCIP_FA_2019_33984_61627.jpg



Concrete headwall visible on waterward side.

LM Start	6.70	Rating **	A/W	Issue No.	1233 (cont)
LM End	6.70	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33984_61626.jpg



Inside view pipe from waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	6.89	Rating **	A/W	Issue No.	1234
LM End	6.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.228253 °	37.228253 °
				-120.727865 °	-120.727865 °
DWR ID	19867				
Comment Code					
Inspector Comment					
DS_ID:19867					
FS_ID:33985					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.97)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_33985_61640.jpg



View of waterward side.

LM Start	6.89	Rating **	A/W	Issue No.	1234 (cont)
LM End	6.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33985_61639.jpg



Concrete headwall and CMP riser visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	6.89	Rating **	A/W	Issue No.	1234 (cont)
LM End	6.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.228253 °	37.228253 °
				-120.727865 °	-120.727865 °
DWR ID	19867				
Comment Code					
Inspector Comment					
DS_ID:19867					
FS_ID:33985					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.97)].					
FS Date: 4/18/2014					

Photo 3 of 3 : UCIP_FA_2019_33985_61638.jpg



View of landward side.

LM Start	6.92	Rating **	A/W	Issue No.	79
LM End	6.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.228054°	37.228054°
				-120.727428°	-120.727428°
DWR ID	DWR_NA0010_06_f_2018_79				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is livestock damage to slope and shoulder of levee.					

Photo 1 of 1 : FA_2019_NA0010_124_79_20190912_00023.jpg



Damage to slope and shoulder from livestock. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	7.10	Rating **	M	Issue No.	7
LM End	7.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.226675 °	37.226675 °
				-120.724498 °	-120.724498 °
DWR ID	DWR_NA0010_06_s _ 2012_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	7.17	Rating **	M	Issue No.	87
LM End	7.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.226316 °	37.220405 °
				-120.723410 °	-120.715371 °
DWR ID	DWR_NA0010_06_f _ 2019_87				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	7.21	Rating **	M	Issue No.	1235	
LM End	7.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.226102 °		37.226102 °
				-120.722739 °		-120.722739 °
DWR ID	19868					
Comment Code						
Inspector Comment						
DS_ID:19868 FS_ID:39471 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.29)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_39471_61650.jpg



View of waterward side.

LM Start	7.21	Rating **	M	Issue No.	1235 (cont)
LM End	7.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39471_61649.jpg



Concrete headwall and flap gate visible on waterward side. Dead animal inside pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	7.21	Rating **	M	Issue No.	1235 (cont)	
LM End	7.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.226102°		37.226102°
				-120.722739°		-120.722739°
DWR ID	19868					
Comment Code						
Inspector Comment						
DS_ID:19868 FS_ID:39471 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.29)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39471_61648.jpg



View of landward side.

LM Start	7.56	Rating **	C	Issue No.	78
LM End	7.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			37.224113 °	37.224113 °
				-120.716887 °	-120.716887 °
DWR ID	DWR_NA0010_06_f_2018_78				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There is cracking along the landside shoulder of the crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	7.66	Rating **	M	Issue No.	1236
LM End	7.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.222743 °	37.222743 °
				-120.716416 °	-120.716416 °
DWR ID	19869				
Comment Code					
Inspector Comment					
DS_ID:19869 FS_ID:39472 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Some sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Skewed crossing. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.74)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39472_66462.jpg



View of waterward side.

LM Start	7.66	Rating **	M	Issue No.	1236 (cont)
LM End	7.66	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39472_66461.jpg



Pipe crosses levee at an angle.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	7.66	Rating **	M	Issue No.	1236 (cont)	
LM End	7.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.222743 °	37.222743 °	
				-120.716416 °	-120.716416 °	
DWR ID	19869					
Comment Code						
Inspector Comment						
DS_ID:19869 FS_ID:39472 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Some sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Skewed crossing. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.74)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39472_66460.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	7.66	Rating **	A/W	Issue No.	74
LM End	7.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.222689 °	37.222689 °
				-120.716400 °	-120.716400 °
DWR ID	DWR_NA0010_06_f_2018_74				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage to levee slope from livestock access.					

Photo 1 of 1 : FA_2019_NA0010_124_74_20190912_00019.jpg



Slope damage from livestock. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	8.08	Rating **	A/W	Issue No.	65
LM End	8.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.217199°	37.217199°
				-120.713374°	-120.713374°
DWR ID	DWR_NA0010_06_f_2017_65				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Livestock damage to levee slope.					

Photo 1 of 1 : FA_2019_NA0010_124_65_20190912_00011.jpg



Looking southwest at the landside slope.

LM Start	8.13	Rating **	M	Issue No.	1237
LM End	8.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.216547 °	37.216547 °
				-120.713000 °	-120.713000 °
DWR ID	19870				
Comment Code					
Inspector Comment					
DS_ID:19870 FS_ID:39473 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup in pipe--recommend contacting owner to clear sediment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.21)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39473_61674.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	1237 (cont)	
LM End	8.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.216547 °		37.216547 °
				-120.713000 °		-120.713000 °
DWR ID	19870					
Comment Code						
Inspector Comment						
DS_ID:19870 FS_ID:39473 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup in pipe--recommend contacting owner to clear sediment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.21)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_39473_61673.jpg



Pipe crosses levee at an angle.

LM Start	8.13	Rating **	M	Issue No.	1237 (cont)
LM End	8.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39473_61672.jpg



Concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	8.32	Rating **	M	Issue No.	89
LM End	8.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.214273 °	37.214273 °
				-120.711100 °	-120.711100 °
DWR ID	DWR_NA0010_06_f _ 2019_89				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion from livestock traffic both sides of the levee.					

Photo 1 of 1 : FA_2019_NA0010_124_89_20191112_00197.jpg



View of damage to the waterside slope looking upstream. (Fall 2019)

LM Start	8.34	Rating **	U	Issue No.	90
LM End	8.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.214121 °	37.211108 °
				-120.710855 °	-120.706392 °
DWR ID	DWR_NA0010_06_f_2019_90				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_90_20191112_00198.jpg



View of vegetation along the waterside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	8.43	Rating **	M	Issue No.	1238	
LM End	8.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.213288 °	37.213288 °	
				-120.709503 °	-120.709503 °	
DWR ID	19871					
Comment Code						
Inspector Comment						
DS_ID:19871 FS_ID:39474 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side--recommend clearing. Good candidate for pressure test or video inspection due to signs of heavy corrosion. If no leaks after tests this crossing would be a good candidate for rehabilitation. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.51)]. FS Date: 4/18/2014						

LM Start	8.43	Rating **	M	Issue No.	1238 (cont)
LM End	8.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39474_61685.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39474_61684.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	8.43	Rating **	M	Issue No.	1238 (cont)
LM End	8.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.213288° -120.709503°	37.213288° -120.709503°
DWR ID	19871				
Comment Code					
Inspector Comment					
DS_ID:19871 FS_ID:39474 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side--recommend clearing. Good candidate for pressure test or video inspection due to signs of heavy corrosion. If no leaks after tests this crossing would be a good candidate for rehabilitation. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.51)]. FS Date: 4/18/2014					

Photo 3 of 3 : UCIP_FA_2019_39474_61683.jpg



Pipe crosses levee at an angle.

LM Start	8.66	Rating **	M	Issue No.	91
LM End	10.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.211107° -120.706391°	37.197661° -120.688808°
DWR ID	DWR_NA0010_06_f_2019_91				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	8.66	Rating **	M	Issue No.	95
LM End	11.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.211107°	37.185016°
				-120.706391°	-120.664575°
DWR ID	DWR_NA0010_06_f_2019_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.52	Rating **	M	Issue No.	1239
LM End	9.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.202481°	37.202481°
				-120.695303°	-120.695303°
DWR ID	19872				
Comment Code					
Inspector Comment					
DS_ID:19872 FS_ID:42525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 12/05/2014 Accidently missed updating record. Photos have been added and coordinates have been updated. Unable to confirm if crossing is the same cable line originally identified in desk study at levee mile 6.43. Recommend contacting owner to confirm alignment, size of conduit, and permit issued. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: Telephone cable of an unknown size or material under crown of roadway, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/18/2014					

Photo 1 of 2 : UCIP_FA_2019_42525_72925.jpg



Service box located on waterward levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.52	Rating **	M	Issue No.	1239 (cont)
LM End	9.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.202481 °	37.202481 °
				-120.695303 °	-120.695303 °
DWR ID	19872				
Comment Code					
Inspector Comment					
DS_ID:19872 FS_ID:42525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 12/05/2014 Accidentally missed updating record. Photos have been added and coordinates have been updated. Unable to confirm if crossing is the same cable line originally identified in desk study at levee mile 6.43. Recommend contacting owner to confirm alignment, size of conduit, and permit issued. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: Telephone cable of an unknown size or material under crown of roadway, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/18/2014					

Photo 2 of 2 : UCIP_FA_2019_42525_72924.jpg



Service box is for electrical conduit.

LM Start	9.56	Rating **	M	Issue No.	1240
LM End	9.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.202014 °	37.202014 °
				-120.694820 °	-120.694820 °
DWR ID	19873				
Comment Code					
Inspector Comment					
DS_ID:19873 FS_ID:42524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/05/2014 Accidentally missed entry. Photos have been added and coordinates have been updated by Olivia Magana. Unable to determine condition of crossing due to limited access. Recommend contacting owner to provide condition of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Slide gate in a concrete diversion box on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_42524_72922.jpg



Overview of levee crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.56	Rating **	M	Issue No.	1240 (cont)	
LM End	9.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.202014 °		37.202014 °
				-120.694820 °		-120.694820 °
DWR ID	19873					
Comment Code						
Inspector Comment						
DS_ID:19873 FS_ID:42524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/05/2014 Accidentally missed entry. Photos have been added and coordinates have been updated by Olivia Magana. Unable to determine condition of crossing due to limited access. Recommend contacting owner to provide condition of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Slide gate in a concrete diversion box on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_42524_72921.jpg



Concrete box located on waterward side.

LM Start	9.56	Rating **	M	Issue No.	1240 (cont)
LM End	9.56	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_42524_72920.jpg



Trash gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.59	Rating **	M	Issue No.	1241	
LM End	9.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.201544 °	37.201544 °	
				-120.694865 °	-120.694865 °	
DWR ID	19742					
Comment Code						
Inspector Comment						
DS_ID:19742 FS_ID:39492 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 1 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.59	Rating **	M	Issue No.	1242	
LM End	9.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.201544 °	37.201544 °	
				-120.694870 °	-120.694870 °	
DWR ID	19739					
Comment Code						
Inspector Comment						
DS_ID:19739 FS_ID:47014 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/21/2014 Accidentally missed--need photos. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 2 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.59	Rating **	M	Issue No.	1243	
LM End	9.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.201544 °	37.201544 °	
				-120.694870 °	-120.694870 °	
DWR ID	19740					
Comment Code						
Inspector Comment						
DS_ID:19740 FS_ID:47011 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 3 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.60	Rating **	M	Issue No.	1244	
LM End	9.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.201544 °	37.201544 °	
				-120.694870 °	-120.694870 °	
DWR ID	19741					
Comment Code						
Inspector Comment						
DS_ID:19741 FS_ID:47015 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 4 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.60	Rating **	M	Issue No.	1245
LM End	9.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.201544 °	37.201544 °
				-120.694870 °	-120.694870 °
DWR ID	19558				
Comment Code					
Inspector Comment					
DS_ID:19558 FS_ID:47013 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 5 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014					

No Photos

LM Start	9.66	Rating **	M	Issue No.	1246
LM End	9.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.200948 °	37.200948 °
				-120.694362 °	-120.694362 °
DWR ID	19874				
Comment Code					
Inspector Comment					
DS_ID:19874 FS_ID:39475 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Waterward side not visible--need to determine alignment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Slide gate in a concrete diversion box on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/17/2014					

Photo 1 of 2 : UCIP_FA_2019_39475_61691.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	9.66	Rating **	M	Issue No.	1246 (cont)	
LM End	9.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.200948 °	37.200948 °	
				-120.694362 °	-120.694362 °	
DWR ID	19874					
Comment Code						
Inspector Comment						
DS_ID:19874 FS_ID:39475 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Waterward side not visible--need to determine alignment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Slide gate in a concrete diversion box on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/17/2014						

Photo 2 of 2 : UCIP_FA_2019_39475_61690.jpg



Pipe, slide gate, and concrete headwall visible on landward side.

LM Start	10.05	Rating **	U	Issue No.	96
LM End	15.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.197661 °	37.156746 °
				-120.688808 °	-120.616955 °
DWR ID	DWR_NA0010_06_f_2019_96				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_96_20191112_00199.jpg



View of the waterside slope looking upstream. (Fall 2019)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	14
LM End	11.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.186189 °	37.186189 °
				-120.668476 °	-120.668476 °
DWR ID	DWR_NA0010_06_s_2015_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Almond tree located along Sandy Mush Road on waterside slope.					

Photo 1 of 1 : FA_2019_NA0010_124_14_20190912_00010.jpg



Looking west at tree on waterward slope.

LM Start	11.56	Rating **	M	Issue No.	1247
LM End	11.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.186227 °	37.186227 °
				-120.667337 °	-120.667337 °
DWR ID	19875				
Comment Code					
Inspector Comment					
DS_ID:19875					
FS_ID:39892					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/17/2014 Unable to stop--high traffic area--safety issue. Crossing needs to be evaluated. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.64)].					
FS Date: 4/17/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	11.74	Rating **	M	Issue No.	1248
LM End	11.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.185513 °	37.185513 °
				-120.664561 °	-120.664561 °
DWR ID	19876				
Comment Code					
Inspector Comment					
DS_ID:19876 FS_ID:39476 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Clear debris from waterward and landward toes. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.82)]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_39476_66488.jpg



View of waterward side.

LM Start	11.74	Rating **	M	Issue No.	1248 (cont)
LM End	11.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39476_66487.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	11.74	Rating **	M	Issue No.	1248 (cont)	
LM End	11.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.185513 °	37.185513 °	
				-120.664561 °	-120.664561 °	
DWR ID	19876					
Comment Code						
Inspector Comment						
DS_ID:19876 FS_ID:39476 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Clear debris from waterward and landward toes. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.82)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_39476_66486.jpg



Slide gate inside CMP riser located on waterward slope.

LM Start	11.77	Rating **	U	Issue No.	97
LM End	13.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185015 °	37.171633 °
				-120.664575 °	-120.646295 °
DWR ID	DWR_NA0010_06_f_2019_97				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_97_20191112_00200.jpg



View of the landside slope looking upstream. (Fall 2019)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	13.22	Rating **	M	Issue No.	1249
LM End	13.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.171675 °	37.171675 °
				-120.655064 °	-120.655064 °
DWR ID	19877				
Comment Code					
Inspector Comment					
DS_ID:19877 FS_ID:39477 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)]. FS Date: 4/17/2014					

LM Start	13.22	Rating **	M	Issue No.	1249 (cont)
LM End	13.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39477_66492.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_39477_66494.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	13.22	Rating **	M	Issue No.	1249 (cont)	
LM End	13.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.171675 °	37.171675 °	
				-120.655064 °	-120.655064 °	
DWR ID	19877					
Comment Code						
Inspector Comment						
DS_ID:19877 FS_ID:39477 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_39477_66495.jpg



Inside view of CMP riser located on waterward slope.

LM Start	13.23	Rating **	M	Issue No.	88
LM End	13.23	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.171678 °	37.171678 °
				-120.654920 °	-120.654920 °
DWR ID	DWR_NA0010_06_s_2018_88				
Comment Code					
PI : Pipe					
Inspector Comment					
Landowner or farmer installed a temporary 4-inch pipe across levee crown.					

Photo 1 of 2 : FA_2019_NA0010_124_88_20190912_00031.jpg



Looking north at pipe across levee crown. (Spring 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	13.23	Rating **	M	Issue No.	88 (cont)	
LM End	13.23	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.171678 °	37.171678 °	
				-120.654920 °	-120.654920 °	
DWR ID	DWR_NA0010_06_s_2018_88					
Comment Code						
PI : Pipe						
Inspector Comment						
Landowner or farmer installed a temporary 4-inch pipe across levee crown.						

Photo 2 of 2 : FA_2019_NA0010_124_88_20190912_00032.jpg



Looking east at pipe across levee crown. (Spring 2018)

LM Start	13.24	Rating **	M	Issue No.	68
LM End	13.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.171686 °	37.171686 °
				-120.654562 °	-120.654562 °
DWR ID	DWR_NA0010_06_f_2015_68				
Comment Code					
MA : Material					
Inspector Comment					
Landowner stockpiled dirt at landside toe.					

Photo 1 of 1 : FA_2019_NA0010_124_68_20190912_00014.jpg



Looking west at dirt stockpile at landward toe.

LM Start	13.48	Rating **	U	Issue No.	116
LM End	13.48	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.171651 °	37.171651 °
				-120.650354 °	-120.650354 °
DWR ID	DWR_NA0010_06_s_2019_116				
Comment Code					
PI : Pipe					
Inspector Comment					
Landowner or farmer installed a pipe across levee crown.					

Photo 1 of 2 : FA_2019_NA0010_124_116_20190912_00044.jpg



View of pipe encroachment looking upstream. (Spring 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	13.48	Rating **	U	Issue No.	116 (cont)	
LM End	13.48	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.171651 °		37.171651 °
				-120.650354 °		-120.650354 °
DWR ID	DWR_NA0010_06_s_2019_116					
Comment Code						
PI : Pipe						
Inspector Comment						
Landowner or farmer installed a pipe across levee crown.						

Photo 2 of 2 : FA_2019_NA0010_124_116_20190912_00045.jpg



View of pipe encroachment looking East. (Spring 2019)

LM Start	13.70	Rating **	M	Issue No.	98
LM End	15.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.171633 °	37.161387 °
				-120.646295 °	-120.626546 °
DWR ID	DWR_NA0010_06_f_2019_98				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	14.36	Rating **	M	Issue No.	1250	
LM End	14.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.167888 °	37.167888 °	
				-120.636419 °	-120.636419 °	
DWR ID	19878					
Comment Code						
Inspector Comment						
DS_ID:19878 FS_ID:39478 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)]. FS Date: 4/17/2014						

LM Start	14.36	Rating **	M	Issue No.	1250 (cont)
LM End	14.36	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39478_66496.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2019_39478_66497.jpg



View of pipe daylight, flap gate, and concrete headwall visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	14.36	Rating **	M	Issue No.	1250 (cont)
LM End	14.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID	19878				
Comment Code					
Inspector Comment					
DS_ID:19878 FS_ID:39478 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)]. FS Date: 4/17/2014					

Photo 3 of 3 : UCIP_FA_2019_39478_66498.jpg



View of landward slope.

LM Start	14.36	Rating **	M	Issue No.	99
LM End	14.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.167825 °	37.167825 °
				-120.636347 °	-120.636347 °
DWR ID	DWR_NA0010_06_f_2019_99				
Comment Code					
PI : Pipe					
Inspector Comment					
Pipe left on landside slope and toe.					

Photo 1 of 1 : FA_2019_NA0010_124_99_20191112_00201.jpg



View of pipe on landside slope and toe. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	14.63	Rating **	M	Issue No.	101
LM End	14.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.164871 °	37.164824 °
				-120.633222 °	-120.633167 °
DWR ID	DWR_NA0010_06_f_2018_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrows are located along landside shoulder.					

Photo 1 of 1 : FA_2019_NA0010_124_101_20190912_00037.jpg



View of rodent hole on landside shoulder. (Fall 2018)

LM Start	15.08	Rating **	U	Issue No.	100
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.161387 °	37.156746 °
				-120.626546 °	-120.616954 °
DWR ID	DWR_NA0010_06_f_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_100_20191112_00202.jpg



View of landside slope looking downstream. (Fall 2019)

LM Start	15.46	Rating **	M	Issue No.	124
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.158920 °	37.157217 °
				-120.620232 °	-120.618915 °
DWR ID	DWR_NA0010_06_s_2012_124				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	15.68	Rating **	M	Issue No.	1251	
LM End	15.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.156934 °		37.156934 °
				-120.617210 °		-120.617210 °
DWR ID	19884					
Comment Code						
Inspector Comment						
DS_ID:19884 FS_ID:39480 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner. Sediment buildup on both the waterward and landward side. Recommend removing sediment buildup from both side. Also recommend clearing excess sediment inside crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.76)]. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_39480_66507.jpg



Flap gate buried halfway on waterward side.

LM Start	15.68	Rating **	M	Issue No.	1251 (cont)
LM End	15.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39480_66506.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	15.68	Rating **	M	Issue No.	1251 (cont)	
LM End	15.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.156934 °		37.156934 °
				-120.617210 °		-120.617210 °
DWR ID	19884					
Comment Code						
Inspector Comment						
DS_ID:19884						
FS_ID:39480						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Need to contact owner. Sediment buildup on both the waterward and landward side. Recommend removing sediment buildup from both side. Also recommend clearing excess sediment inside crossing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.76)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_39480_66505.jpg



Overview of levee crown at crossing.

LM Start	15.82	Rating **	M	Issue No.	1252
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.155539 °	37.155539 °
				-120.615303 °	-120.615303 °
DWR ID	19885				
Comment Code					
Inspector Comment					
DS_ID:19885 FS_ID:36663 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Waterward side is buried and not accessible. Landward side headwall is blocked by dense vegetation. Recommend confirming status of flap gate on waterward side and removing dense vegetation form landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.91)]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_36663_66530.jpg



View of waterward side, Photo 1 of 3.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	1252 (cont)	
LM End	15.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.155539 °		37.155539 °
				-120.615303 °		-120.615303 °
DWR ID	19885					
Comment Code						
Inspector Comment						
DS_ID:19885						
FS_ID:36663						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Waterward side is buried and not accessible. Landward side headwall is blocked by dense vegetation. Recommend confirming status of flap gate on waterward side and removing dense vegetation form landward side. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.91)].						
FS Date: 4/17/2014						

Photo 2 of 3 : UCIP_FA_2019_36663_66526.jpg



View of waterward side, photo 2 of 3.

LM Start	15.82	Rating **	M	Issue No.	1252 (cont)
LM End	15.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36663_66529.jpg



View of waterward side, photo 3 of 3.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	16.06	Rating **	M	Issue No.	102
LM End	16.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.153224 °	37.150853 °
				-120.612119 °	-120.608874 °
DWR ID	DWR_NA0010_06_f_2019_102				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	16.15	Rating **	M	Issue No.	103
LM End	16.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.152394 °	37.152394 °
				-120.610964 °	-120.610964 °
DWR ID	DWR_NA0010_06_f_2019_103				
Comment Code					
PI : Pipe					
Inspector Comment					
Pipe left on landside shoulder.					

Photo 1 of 1 : FA_2019_NA0010_124_103_20191112_00204.jpg



Pipe section left on the landside shoulder. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	16.40	Rating **	M	Issue No.	1253
LM End	16.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.149747 °	37.149747 °
				-120.607702 °	-120.607702 °
DWR ID	19559				
Comment Code					
Inspector Comment					
DS_ID:19559 FS_ID:36665 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Unable to confirm pipe diameter. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation siphon pipe through the levee, 5.9 feet below the crown. Slide gate on the waterside (WS). Siphon extends under channel. [Additional Reference(s): USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.49)]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP_FA_2019_36665_66541.jpg



View of waterward side.

LM Start	16.40	Rating **	M	Issue No.	1253 (cont)
LM End	16.40	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_36665_66539.jpg



Concrete headwall and pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	16.40	Rating **	M	Issue No.	1253 (cont)	
LM End	16.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.149747 °	37.149747 °	
				-120.607702 °	-120.607702 °	
DWR ID	19559					
Comment Code						
Inspector Comment						
DS_ID:19559 FS_ID:36665 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Unable to confirm pipe diameter. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation siphon pipe through the levee, 5.9 feet below the crown. Slide gate on the waterside (WS). Siphon extends under channel. [Additional Reference(s): USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.49)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36665_66540.jpg



View of landward side, photo 1 of 2.

LM Start	16.66	Rating **	M	Issue No.	104
LM End	18.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.146832 °	37.127782 °
				-120.604953 °	-120.590813 °
DWR ID	DWR_NA0010_06_f_2019_104				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	18.18	Rating **	U	Issue No.	72
LM End	18.18	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.127982 °	37.127982 °
				-120.590911 °	-120.590911 °
DWR ID	DWR_NA0010_06_f_2017_72				
Comment Code					
PI : Pipe					
Inspector Comment					
Non permitted pipe across the levee crown.					

Photo 1 of 1 : FA_2019_NA0010_124_72_20190912_00018.jpg



Looking northwest at the pipe across the levee crown.

LM Start	18.19	Rating **	U	Issue No.	106
LM End	19.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127783 °	37.112939 °
				-120.590813 °	-120.588719 °
DWR ID	DWR_NA0010_06_f_2019_106				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_106_20191112_00203.jpg



Looking upstream along the waterside slope. (Fall 2019)

LM Start	18.19	Rating **	U	Issue No.	105
LM End	19.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127783 °	37.111350 °
				-120.590813 °	-120.587746 °
DWR ID	DWR_NA0010_06_f_2019_105				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_105_20191112_00205.jpg



View of the landside slope looking upstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	18.20	Rating **	M	Issue No.	1254
LM End	18.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.127773 °	37.127773 °
				-120.590809 °	-120.590809 °
DWR ID	19887				
Comment Code					
Inspector Comment					
DS_ID:19887					
FS_ID:39876					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/17/2014 Sediment build up on landward side toe -- debris blockage. No photos available. Recommend taking photos of crossing. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.27)].					
FS Date: 4/17/2014					

No Photos

LM Start	18.21	Rating **	M	Issue No.	108
LM End	18.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127576 °	37.120003 °
				-120.590729 °	-120.587521 °
DWR ID	DWR_NA0010_06_f_2019_108				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_108_20191112_00206.jpg



View of vegetation growing along the levee crown. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	18.46	Rating **	U	Issue No.	70
LM End	18.46	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.124088 °	37.124088 °
				-120.589249 °	-120.589249 °
DWR ID	DWR_NA0010_06_s_2018_70				
Comment Code					
PI : Pipe					
Inspector Comment					
Landowner or farmer installed a pipe across levee crown.					

Photo 1 of 1 : FA_2019_NA0010_124_70_20190912_00017.jpg



Looking south at pipe across levee crown. (Spring 2018)

LM Start	18.81	Rating **	U	Issue No.	1255	
LM End	18.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.119268 °	37.119268 °	
				-120.587208 °	-120.587208 °	
DWR ID	19888					
Comment Code						
Inspector Comment						
DS_ID:19888 FS_ID:53191 EP_NO: 3040 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Signs of pipe leakage (wet spot) visible in floodway. Crossing remains Urgent due to potential leakage along the pipe. Recommend internal inspection to determine pipe integrity through the levee. (O. Magana - DWR UCIP)07/20/2016 Same as previous inspection. Dense vegetation prevents proper inspection along floodway. (DWR UCIP - omagana)04/17/2014 Need to contact owner. Leak on waterward toe approximately 15 feet from toe. Good candidate for video or pressure test. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation siphon pipe through the levee, 8.8 feet below the crown. Slide gate in a pipe riser on the landside (LS) slope, not the waterside (WS) slope. Concrete headwall on the LS, not the WS. Siphon extends under the channel. 24-inch corrugated metal cleanout pipe at the center of the channel with a metal plate cover. (Plans for construction of two reinforced concrete siphons across the Eastside Bypass authorized under Permit No. 3040, 1959 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.91)]. FS Date: 11/1/2018 12:52:00 PM						

Photo 1 of 3 : UCIP_FA_2019_53191_66562.jpg



View of WS. Channel section exposed near waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	18.81	Rating **	U	Issue No.	1255 (cont)
LM End	18.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.119268 °	37.119268 °
				-120.587208 °	-120.587208 °
DWR ID	19888				
Comment Code					
Inspector Comment					
DS_ID:19888					
FS_ID:53191					
EP_NO: 3040					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 11/01/2018 Signs of pipe leakage (wet spot) visible in floodway. Crossing remains Urgent due to potential leakage along the pipe. Recommend internal inspection to determine pipe integrity through the levee. (O. Magana - DWR UCIP)07/20/2016 Same as previous inspection. Dense vegetation prevents proper inspection along floodway. (DWR UCIP - omagana)04/17/2014 Need to contact owner. Leak on waterward toe approximately 15 feet from toe. Good candidate for video or pressure test. (DWR UCIP - omagana)					
FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation siphon pipe through the levee, 8.8 feet below the crown. Slide gate in a pipe riser on the landside (LS) slope, not the waterside (WS) slope. Concrete headwall on the LS, not the WS. Siphon extends under the channel. 24-inch corrugated metal cleanout pipe at the center of the channel with a metal plate cover. (Plans for construction of two reinforced concrete siphons across the Eastside Bypass authorized under Permit No. 3040, 1959 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.91)].					
FS Date: 11/1/2018 12:52:00 PM					

Photo 2 of 3 : UCIP_FA_2019_53191_66564.jpg



Overview of Eastside Bypass.

LM Start	18.81	Rating **	U	Issue No.	1255 (cont)
LM End	18.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_53191_66563.jpg



Channel sections have been excavated across Eastside Bypass.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	1256	
LM End	18.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.118178 °		37.118178 °
				-120.586783 °		-120.586783 °
DWR ID	19889					
Comment Code						
Inspector Comment						
DS_ID:19889 FS_ID:36687 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.97)]. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_36687_66579.jpg



View of waterward side.

LM Start	18.89	Rating **	M	Issue No.	1256 (cont)
LM End	18.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36687_66582.jpg



Inside view of CMP riser located on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	1256 (cont)	
LM End	18.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.118178 °	37.118178 °	
				-120.586783 °	-120.586783 °	
DWR ID	19889					
Comment Code						
Inspector Comment						
DS_ID:19889						
FS_ID:36687						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.97)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36687_66581.jpg



Pipe daylight on waterward side.

LM Start	19.14	Rating **	U	Issue No.	1211
LM End	19.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114793 °	37.114793 °
				-120.587582 °	-120.587582 °
DWR ID	DWR_NA0010_06_s_2015_1211				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes with more than 2 cubic feet of material were noted on the waterside slope.					

Photo 1 of 5 : FA_2019_NA0010_124_1211_20190912_00057.jpg



Looking at rodent hole on waterward slope. Spring 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)	
LM End	19.14	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.114793 °		37.114793 °
				-120.587582 °		-120.587582 °
DWR ID	DWR_NA0010_06_s_2015_1211					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Several large rodent holes with more than 2 cubic feet of material were noted on the waterside slope.						

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA_2019_NA0010_124_1211_20190912_00058.jpg



Looking at several rodent holes on waterward slope. (Fall 2015)

Photo 3 of 5 : FA_2019_NA0010_124_1211_20190912_00059.jpg



Looking at close-up view of large rodent hole on waterward slope. (Spring 2015)

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : FA_2019_NA0010_124_1211_20190912_00060.jpg



Looking at large rodent hole on waterward slope. Spring 2015

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114793 °	37.114793 °
				-120.587582 °	-120.587582 °
DWR ID	DWR_NA0010_06_s_2015_1211				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes with more than 2 cubic feet of material were noted on the waterside slope.					

Photo 5 of 5 : FA_2019_NA0010_124_1211_20190912_00061.jpg



Looking west at several rodent holes on waterward slope. Spring 2015

LM Start	19.28	Rating **	M	Issue No.	1257	
LM End	19.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.112902 °		37.112902 °
				-120.588751 °		-120.588751 °
DWR ID	19890					
Comment Code						
Inspector Comment						
DS_ID:19890						
FS_ID:36688						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Riprap along the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.36)].						
FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_36688_66583.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	19.28	Rating **	M	Issue No.	1257 (cont)	
LM End	19.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.112902 °		37.112902 °
				-120.588751 °		-120.588751 °
DWR ID	19890					
Comment Code						
Inspector Comment						
DS_ID:19890 FS_ID:36688 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Riprap along the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.36)]. FS Date: 4/17/2014						

Photo 2 of 3 : UCIP_FA_2019_36688_66584.jpg



Riser located on waterward slope.

LM Start	19.28	Rating **	M	Issue No.	1257 (cont)
LM End	19.28	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36688_66586.jpg



View of landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	19.48	Rating **	M	Issue No.	111
LM End	19.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.112556°	37.112556°	
			-120.586921°	-120.586921°	
DWR ID	DWR_NA0010_06_f_2019_111				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	19.56	Rating **	M	Issue No.	112
LM End	20.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.113295°	37.113128°	
			-120.585922°	-120.563861°	
DWR ID	DWR_NA0010_06_f_2019_112				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	19.94	Rating **	M	Issue No.	1258	
LM End	19.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.113304 °		37.113304 °
				-120.579102 °		-120.579102 °
DWR ID	19891					
Comment Code						
Inspector Comment						
DS_ID:19891						
FS_ID:36689						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.85)].						
FS Date: 4/17/2014						

LM Start	19.94	Rating **	M	Issue No.	1258 (cont)
LM End	19.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36689_66591.jpg



Overview of levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2019_36689_66592.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	19.94	Rating **	M	Issue No.	1258 (cont)	
LM End	19.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.113304 °	37.113304 °	
				-120.579102 °	-120.579102 °	
DWR ID	19891					
Comment Code						
Inspector Comment						
DS_ID:19891						
FS_ID:36689						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.85)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_36689_66590.jpg



View of "U" concrete headwall located on waterward side.

LM Start	20.79	Rating **	M	Issue No.	1209
LM End	21.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.113107 °	37.109735 °
				-120.563782 °	-120.560079 °
DWR ID	DWR_NA0010_06_s_2015_1209				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on landside slope greater than 3 inches. Erosion caused by livestock.					

Photo 1 of 2 : FA_2019_NA0010_124_1209_20190912_00055.jpg



Looking north at livestock erosion on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	20.79	Rating **	M	Issue No.	1209 (cont)	
LM End	21.10	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.113107 °		37.109735 °
				-120.563782 °		-120.560079 °
DWR ID	DWR_NA0010_06_s_2015_1209					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on landside slope greater than 3 inches. Erosion caused by livestock.						

Photo 2 of 2 : FA_2019_NA0010_124_1209_20190912_00056.jpg



Looking northeast at livestock erosion on landward slope.

LM Start	20.87	Rating **	M	Issue No.	113
LM End	22.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112270 °	37.090752 °
				-120.562621 °	-120.540398 °
DWR ID	DWR_NA0010_06_f_2019_113				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	21.28	Rating **	A/W	Issue No.	64
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.107670 °	°
				-120.557990 °	°
DWR ID	253-136				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:35 Site Designation:253-136 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

LM Start	21.39	Rating **	M	Issue No.	114
LM End	21.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106397 °	37.106397 °
				-120.556727 °	-120.556727 °
DWR ID	DWR_NA0010_06_f_2019_114				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	21.48	Rating **	M	Issue No.	115
LM End	22.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.105400 °	37.094309 °
				-120.555734 °	-120.544253 °
DWR ID	DWR_NA0010_06_f_2019_115				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	21.71	Rating **	M	Issue No.	107
LM End	21.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.102844°	37.102002°
				-120.553160°	-120.552314°
DWR ID	DWR_NA0010_06_f_2018_107				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion into levee prism due to livestock activities.					

Photo 1 of 3 : FA_2019_NA0010_124_107_20190912_00038.jpg



View of erosion in landside levee prism. (Spring 2019)

LM Start	21.71	Rating **	M	Issue No.	107 (cont)
LM End	21.78	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2019_NA0010_124_107_20190912_00039.jpg



View of erosion looking upstream. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	23.76	Rating **	M	Issue No.	118
LM End	24.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.080190°	37.071280°
				-120.528979°	-120.519336°
DWR ID	DWR_NA0010_06_f_2019_118				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	23.76	Rating **	M	Issue No.	119
LM End	25.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.080180°	37.057131°
				-120.528967°	-120.504078°
DWR ID	DWR_NA0010_06_f_2019_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	24.02	Rating **	M	Issue No.	1259	
LM End	24.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.077406 °		37.077406 °
				-120.525938 °		-120.525938 °
DWR ID	19879					
Comment Code						
Inspector Comment						
DS_ID:19879 FS_ID:34010 EP_NO: 13638 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status. Crossing has been modified. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 3.5 feet below the crown. Cutoff wall around the pipe at the center of the levee. Pump on the waterside (WS). Siphon breaker on the landside (LS) shoulder. Intake trench on the WS. (Plans to install a pump with a 16-inch pipeline over the levee authorized under Permit No. 13638, 1983 - Hamonds Ranch). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP_FA_2019_34010_61871.jpg



Overview of levee crown at crossing.

LM Start	24.02	Rating **	M	Issue No.	1259 (cont)
LM End	24.02	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_34010_61870.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	24.02	Rating **	M	Issue No.	1259 (cont)	
LM End	24.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.077406 °		37.077406 °
				-120.525938 °		-120.525938 °
DWR ID	19879					
Comment Code						
Inspector Comment						
DS_ID:19879 FS_ID:34010 EP_NO: 13638 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status. Crossing has been modified. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 3.5 feet below the crown. Cutoff wall around the pipe at the center of the levee. Pump on the waterside (WS). Siphon breaker on the landside (LS) shoulder. Intake trench on the WS. (Plans to install a pump with a 16-inch pipeline over the levee authorized under Permit No. 13638, 1983 - Hamonds Ranch). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP_FA_2019_34010_61875.jpg



Concrete pad with abandoned support frame located on waterward side.

LM Start	24.51	Rating **	U	Issue No.	5
LM End	25.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.072048 °	37.066501 °
				-120.520180 °	-120.514193 °
DWR ID	DWR_NA0010_06_s_2012_5				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Landside erosion and slope instability caused by livestock extends into levee crown. At the worst locations erosion extends 2.5 feet to 3 feet from the shoulder into the crown.					

Photo 1 of 4 : FA_2019_NA0010_124_5_20191112_00209.jpg



Representative view of landside erosion due to livestock traffic. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	24.51	Rating **	U	Issue No.	5 (cont)	
LM End	25.01	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.072048 °		37.066501 °
				-120.520180 °		-120.514193 °
DWR ID	DWR_NA0010_06_s_2012_5					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Landside erosion and slope instability caused by livestock extends into levee crown. At the worst locations erosion extends 2.5 feet to 3 feet from the shoulder into the crown.						

Photo 2 of 4 : FA_2019_NA0010_124_5_20190912_00006.jpg



Looking north at livestock erosion into landward shoulder. (Spring 2018)

LM Start	24.51	Rating **	U	Issue No.	5 (cont)
LM End	25.01	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA_2019_NA0010_124_5_20190912_00007.jpg



Looking north at livestock erosion on landward slope. (Spring 2015)

LM Start	24.51	Rating **	U	Issue No.	5 (cont)
LM End	25.01	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : FA_2019_NA0010_124_5_20190912_00008.jpg



Looking north at livestock erosion on landward slope. (Spring 2014)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	24.98	Rating **	M	Issue No.	83
LM End	24.98	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.066893 °	37.066893 °
				-120.514623 °	-120.514623 °
DWR ID	DWR_NA0010_06_f_2017_83				
Comment Code					
PI : Pipe					
Inspector Comment					
Temporary pipe has been removed but the material used to ramp over the pipe was left on the levee crown.					

Photo 1 of 2 : FA_2019_NA0010_124_83_20191112_00210.jpg



View of material left on levee crown used to ramp over the temporary pipe. (Fall 2019)

LM Start	24.98	Rating **	M	Issue No.	83 (cont)
LM End	24.98	Issue Type +	En	Location *	CR

Photo 2 of 2 : FA_2019_NA0010_124_83_20190912_00027.jpg



Looking southeast at the pipe on the levee crown. (Fall 2017)

LM Start	26.00	Rating **	M	Issue No.	120
LM End	26.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.055678 °	37.048544 °
				-120.502511 °	-120.493819 °
DWR ID	DWR_NA0010_06_f_2019_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	26.13	Rating **	M	Issue No.	1208
LM End	26.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.054222 °	37.054222 °
				-120.500862 °	-120.500862 °
DWR ID	DWR_NA0010_06_s_2015_1208				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Noted several rodent holes next to and within rock revetment on landside slope.					

Photo 1 of 1 : FA_2019_NA0010_124_1208_20190912_00054.jpg



Rodent holes on landward slope.

LM Start	26.16	Rating **	M	Issue No.	121
LM End	27.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.053938 °	37.041264 °
				-120.500514 °	-120.487709 °
DWR ID	DWR_NA0010_06_f_2019_121				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	27.43	Rating **	M	Issue No.	3
LM End	27.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.036955 °	37.032887 °
				-120.484395 °	-120.481225 °
DWR ID	DWR_NA0010_06_s_2012_3				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Landside erosion and slope instability caused by livestock. Erosion greater than 3" in depth on landside slope. Levee crown has narrowed within this reach.					

Photo 1 of 3 : FA_2019_NA0010_124_3_20190912_00003.jpg



Looking south along landside slope. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	27.43	Rating **	M	Issue No.	3 (cont)	
LM End	27.97	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.036955 °		37.032887 °
				-120.484395 °		-120.481225 °
DWR ID	DWR_NA0010_06_s_2012_3					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Landside erosion and slope instability caused by livestock. Erosion greater than 3" in depth on landside slope. Levee crown has narrowed within this reach.						

LM Start	27.43	Rating **	M	Issue No.	3 (cont)
LM End	27.97	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2019_NA0010_124_3_20190912_00004.jpg



Looking north at livestock erosion on landward slope. Fall 2015

Photo 3 of 3 : FA_2019_NA0010_124_3_20190912_00005.jpg



Looking north at livestock erosion on landward slope. (Spring 2013)

LM Start	28.08	Rating **	M	Issue No.	109
LM End	31.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.031756 °	37.017897 °
				-120.479893 °	-120.434997 °
DWR ID	DWR_NA0010_06_f_2019_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	28.43	Rating **	U	Issue No.	110 (cont)
LM End	28.43	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.029935 °	37.029935 °
				-120.474057 °	-120.474057 °
DWR ID	DWR_NA0010_06_s_2019_110				
Comment Code					
PI : Pipe					
Inspector Comment					
Landowner has installed a temporary pipe across the levee. The size of the pipe and short ramp increases the chances of vehicles bottoming out.					

Photo 2 of 3 : FA_2019_NA0010_124_110_20190912_00042.jpg



View of pipe crossing looking West. (Spring 2019)

LM Start	28.43	Rating **	U	Issue No.	110 (cont)
LM End	28.43	Issue Type +	En	Location *	CR

Photo 3 of 3 : FA_2019_NA0010_124_110_20190912_00043.jpg



Landowner has installed a temporary pipe across levee crown. (Fall 2018)

LM Start	28.47	Rating **	U	Issue No.	122
LM End	28.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.029933 °	37.029933 °
				-120.473445 °	-120.473445 °
DWR ID	DWR_NA0010_06_f_2019_122				
Comment Code					
Inspector Comment					
The gate has sheared off the top hinge and should be replaced.					

Photo 1 of 1 : FA_2019_NA0010_124_122_20191112_00211.jpg



View of broken gate at LM 28.47 looking upstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	28.47	Rating **	M	Issue No.	19
LM End	28.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.029937 °	37.030108 °
				-120.473384 °	-120.466867 °
DWR ID	DWR_NA0010_06_s_2015_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows are also on the crown.					

Photo 1 of 1 : FA_2019_NA0010_124_19_20191115_00216.jpg



View of rodent burrow in the levee crown. (Fall 2019)

LM Start	28.95	Rating **	M	Issue No.	126
LM End	28.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.030155 °	37.030155 °
				-120.464738 °	-120.464738 °
DWR ID	DWR_NA0010_06_f_2019_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	29.44	Rating **	M	Issue No.	1260
LM End	29.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.030369 °	37.030369 °
				-120.455969 °	-120.455969 °
DWR ID	19881				
Comment Code					
Inspector Comment					
DS_ID:19881 FS_ID:39886 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity irrigation pipe through the levee, 12.4 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Cobble pad on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.34)]. FS Date: 4/10/2014					

LM Start	29.44	Rating **	M	Issue No.	1260 (cont)
LM End	29.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_39886_66600.jpg



View of waterward side--slide gate inside CMP riser located on waterward slope.

Photo 2 of 3 : UCIP_FA_2019_39886_66603.jpg



Inside view of CMP riser located on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	29.44	Rating **	M	Issue No.	1260 (cont)
LM End	29.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.030369 °	37.030369 °
				-120.455969 °	-120.455969 °
DWR ID	19881				
Comment Code					
Inspector Comment					
DS_ID:19881 FS_ID:39886 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity irrigation pipe through the levee, 12.4 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Cobble pad on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.34)]. FS Date: 4/10/2014					

Photo 3 of 3 : UCIP_FA_2019_39886_66599.jpg



View of waterward side.

LM Start	29.56	Rating **	M	Issue No.	131
LM End	31.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.030429 °	37.017897 °
				-120.453660 °	-120.434997 °
DWR ID	DWR_NA0010_06_f_2019_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	29.61	Rating **	M	Issue No.	132
LM End	29.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.030452°	37.030452°
				-120.452836°	-120.452836°
DWR ID	DWR_NA0010_06_f_2019_132				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	30.36	Rating **	M	Issue No.	1261
LM End	30.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.027330 °	37.027330 °
				-120.441498 °	-120.441498 °
DWR ID	19882				
Comment Code					
Inspector Comment					
DS_ID:19882					
FS_ID:36693					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/10/2014 Altered crossing--steel pipe section on landward side and concrete pipe section on waterward side. Joints on waterward side seperated. Need to contact owner to determine status. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch reinforced concrete irrigation siphon pipe through the levee, 14.5 feet below the crown. Concrete U-shaped headwall on the outlet structure on the landside (LS) end. Slide gate mounted on the headwall.					
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.27)].					
FS Date: 4/10/2014					

Photo 1 of 3 : UCIP_FA_2019_36693_66607.jpg



Overview of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	30.36	Rating **	M	Issue No.	1261 (cont)
LM End	30.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.027330°	37.027330°
				-120.441498°	-120.441498°
DWR ID	19882				
Comment Code					
Inspector Comment					
DS_ID:19882 FS_ID:36693 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Altered crossing--steel pipe section on landward side and concrete pipe section on waterward side. Joints on waterward side seperated. Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch reinforced concrete irrigation siphon pipe through the levee, 14.5 feet below the crown. Concrete U-shaped headwall on the outlet structure on the landside (LS) end. Slide gate mounted on the headwall. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.27)]. FS Date: 4/10/2014					

Photo 2 of 3 : UCIP_FA_2019_36693_66604.jpg



Overview of Eastside Bypass at crossing.

LM Start	30.36	Rating **	M	Issue No.	1261 (cont)
LM End	30.36	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_36693_66609.jpg



Concrete pipe through Eastside Bypass exposed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	31.10	Rating **	U	Issue No.	80
LM End	31.10	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.017907 °	37.017907 °
				-120.434970 °	-120.434970 °
DWR ID	DWR_NA0010_06_s _ 2017_80				
Comment Code					
RA : Ramp					
Inspector Comment					
Farmer installed ramp on waterside slope.					

Photo 1 of 1 : FA_2019_NA0010_124_80_20190912_00024.jpg



Looking upstream at ramp on waterward slope.

LM Start	31.14	Rating **	U	Issue No.	82
LM End	31.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017445 °	37.017445 °
				-120.434713 °	-120.434713 °
DWR ID	DWR_NA0010_06_f_2017_82				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_82_20190912_00026.jpg



Looking east at the waterside slope.

LM Start	31.18	Rating **	M	Issue No.	128
LM End	31.18	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.016932 °	37.016932 °
				-120.434346 °	-120.434346 °
DWR ID	DWR_NA0010_06_s_2019_128				
Comment Code					
PI : Pipe					
Inspector Comment					
Temporary pipe is installed across levee crown by landowner.					

Photo 1 of 1 : FA_2019_NA0010_124_128_20190912_00048.jpg



View of pipe crossing looking upstream. (Spring 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	135
LM End	31.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.015310°	37.015310°
				-120.433233°	-120.433233°
DWR ID	DWR_NA0010_06_f_2019_135				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	32.00	Rating **	U	Issue No.	81
LM End	32.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.007007 °	37.007007 °
				-120.426179 °	-120.426179 °
DWR ID	DWR_NA0010_06_f_2017_81				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_124_81_20190912_00025.jpg



Looking west at the landside slope.

LM Start	32.62	Rating **	M	Issue No.	129
LM End	36.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.000645 °	36.974414 °
				-120.418415 °	-120.366969 °
DWR ID	DWR_NA0010_06_s_2019_129				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage from livestock. Damage is beginning to erode into levee crown.					

Photo 1 of 1 : FA_2019_NA0010_124_129_20190912_00049.jpg



Erosion from animal activity along the landside slope. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	33.08	Rating **	M	Issue No.	1262
LM End	33.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.995672 °	36.995672 °
				-120.412919 °	-120.412919 °
DWR ID	19883				
Comment Code					
Inspector Comment					
DS_ID:19883 FS_ID:46183 EP_NO: 6416A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Crossing updated--need to contact owner to determine permit issued by CVFPB for authorized changes. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 20-inch (not 18 inch as mentioned in the DS study) coated steel drainage discharge pipe through the levee, 3.9 feet below the crown. Electrical conduit through the levee. Cutoff wall around pipe at centerline of levee. Capped with a welded plate on the landside (LS) end. Siphon breaker on the apex of the pipe on the LS shoulder. Slant pump on the waterside (WS) slope. (To revise plans for a slant pump and an 18-inch steel pipe through the levee authorized under Permit No. 6416-A, 1975 - Triangle T. Ranch, Inc.). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014					

LM Start	33.08	Rating **	M	Issue No.	1262 (cont)
LM End	33.08	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_46183_61898.jpg



View of waterward side--pipe and pump fenced off on waterward slope.

Photo 2 of 3 : UCIP_FA_2019_46183_61902.jpg



Electrical conduit visible on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	33.08	Rating **	M	Issue No.	1262 (cont)	
LM End	33.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.995672 °	36.995672 °	
				-120.412919 °	-120.412919 °	
DWR ID	19883					
Comment Code						
Inspector Comment						
DS_ID:19883 FS_ID:46183 EP_NO: 6416A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Crossing updated--need to contact owner to determine permit issued by CVFPB for authorized changes. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 20-inch (not 18 inch as mentioned in the DS study) coated steel drainage discharge pipe through the levee, 3.9 feet below the crown. Electrical conduit through the levee. Cutoff wall around pipe at centerline of levee. Capped with a welded plate on the landside (LS) end. Siphon breaker on the apex of the pipe on the LS shoulder. Slant pump on the waterside (WS) slope. (To revise plans for a slant pump and an 18-inch steel pipe through the levee authorized under Permit No. 6416-A, 1975 - Triangle T. Ranch, Inc.). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

Photo 3 of 3 : UCIP_FA_2019_46183_61903.jpg



View of Eastside Bypass.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	35.42	Rating **	M	Issue No.	1263
LM End	35.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.974509 °	36.974509 °
				-120.382056 °	-120.382056 °
DWR ID	19813				
Comment Code					
Inspector Comment					
DS_ID:19813 FS_ID:39481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. High vegetation along crossing alignment--recommend removing vegetation along pipe crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Fresno River Irrigation Structure] 48-inch by 72-inch reinforced concrete box gravity irrigation culvert through the levee, 15.1 feet below the crown. Slide gate in a concrete riser in the waterside (WS) slope. Concrete U-shaped headwall on each end. Landside (LS) channel cobble revetted for 8 feet. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 35.33)]. FS Date: 4/10/2014					

Photo 1 of 3 : UCIP_FA_2019_39481_66628.jpg



View of waterward side--slide gate inside concrete box.

LM Start	35.42	Rating **	M	Issue No.	1263 (cont)
LM End	35.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39481_66632.jpg



View of waterward slope covered by dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	35.42	Rating **	M	Issue No.	1263 (cont)	
LM End	35.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.974509 °	36.974509 °	
				-120.382056 °	-120.382056 °	
DWR ID	19813					
Comment Code						
Inspector Comment						
DS_ID:19813 FS_ID:39481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. High vegetation along crossing alignment--recommend removing vegetation along pipe crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Fresno River Irrigation Structure] 48-inch by 72-inch reinforced concrete box gravity irrigation culvert through the levee, 15.1 feet below the crown. Slide gate in a concrete riser in the waterside (WS) slope. Concrete U-shaped headwall on each end. Landside (LS) channel cobble revetted for 8 feet. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 35.33)]. FS Date: 4/10/2014						

Inside view of concrete box located on waterward slope.

LM Start	35.84	Rating **	A/W	Issue No.	130
LM End	35.84	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.974417 °	36.974417 °
				-120.374479 °	-120.374479 °
DWR ID	DWR_NA0010_06_s_2019_130				
Comment Code					
PI : Pipe					
Inspector Comment					
Temporary pipe has been removed. Should monitor to ensure it is not reinstalled.					

View of pipe across levee crown looking upstream. (Spring 2019)

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/28/2019 10/30/2019	Corey Fujitani

LM Start	35.84	Rating **	A/W	Issue No.	130 (cont)	
LM End	35.84	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.974417 °		36.974417 °
				-120.374479 °		-120.374479 °
DWR ID	DWR_NA0010_06_s_2019_130					
Comment Code						
PI : Pipe						
Inspector Comment						
Temporary pipe has been removed. Should monitor to ensure it is not reinstalled.						

Photo 2 of 2 : FA_2019_NA0010_124_130_20190912_00051.jpg



View of pipe crossing looking downstream. (Spring 2019)

LM Start	36.26	Rating **	M	Issue No.	136
LM End	36.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974414 °	36.974137 °
				-120.366931 °	-120.363272 °
DWR ID	DWR_NA0010_06_f_2019_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 07 Bear Creek Bypass			Right	3.62
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/9/2019 - 4/9/2019		10/24/2019 - 10/24/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	17
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255593°	37.259195°
				-120.772325°	-120.764838°
DWR ID	DWR_NA0010_07_f_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_125_17_20191112_00047.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	0.00	Rating **	M	Issue No.	22
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255594°	37.258984°
				-120.772325°	-120.764862°
DWR ID	DWR_NA0010_07_f_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	30	
LM End	0.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.255897 °	37.255897 °	
				-120.771127 °	-120.771127 °	
DWR ID	19892					
Comment Code						
Inspector Comment						
DS_ID:19892						
FS_ID:49966						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 07/20/2016 Inlet blocked off by wooden board. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along WS and LS. Crossing downgraded from Urgent to Non-Urgent. (DWR UCIP - omagana)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)].						
FS Date: 7/20/2016						

LM Start	0.07	Rating **	M	Issue No.	30 (cont)
LM End	0.07	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_49966_60954.jpg



Pipe and headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2019_49966_60955.jpg



Pipe, headwall, and flapgate at WS toe. Soil buildup partially blocking flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	30 (cont)	
LM End	0.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.255897°	37.255897°	
				-120.771127°	-120.771127°	
DWR ID	19892					
Comment Code						
Inspector Comment						
DS_ID:19892						
FS_ID:49966						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 07/20/2016 Inlet blocked off by wooden board. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along WS and LS. Crossing downgraded from Urgent to Non-Urgent. (DWR UCIP - omagana)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)].						
FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_FA_2019_49966_60953.jpg



Pipe and headwall at LS toe.

LM Start	0.24	Rating **	M	Issue No.	29
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256936°	37.258722°
				-120.768472°	-120.764867°
DWR ID	DWR_NA0010_07_s_2012_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes were noted on the landside and waterside slope and shoulder.					

Photo 1 of 2 : FA_2019_NA0010_125_29_20190912_00012.jpg



Looking north at landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	29 (cont)	
LM End	0.50	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.256936°	37.258722°	
				-120.768472°	-120.764867°	
DWR ID	DWR_NA0010_07_s_2012_29					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Several rodent holes were noted on the landside and waterside slope and shoulder.						

Photo 2 of 2 : FA_2019_NA0010_125_29_20190912_00013.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	0.33	Rating **	A/W	Issue No.	31
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.257691 °	37.257691 °
				-120.767203 °	-120.767203 °
DWR ID	19893				
Comment Code					
Inspector Comment					
DS_ID:19893					
FS_ID:33712					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.33)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_33712_60958.jpg



Pipe and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.33	Rating **	A/W	Issue No.	31 (cont)	
LM End	0.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.257691 °		37.257691 °
				-120.767203 °		-120.767203 °
DWR ID	19893					
Comment Code						
Inspector Comment						
DS_ID:19893 FS_ID:33712 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.33)]. FS Date: 4/15/2014						

Photo 2 of 3 : UCIP_FA_2019_33712_60957.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	0.33	Rating **	A/W	Issue No.	31 (cont)
LM End	0.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33712_60959.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.49	Rating **	M	Issue No.	32	
LM End	0.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.258543 °	37.258543 °	
				-120.764728 °	-120.764728 °	
DWR ID	19894					
Comment Code						
Inspector Comment						
DS_ID:19894						
FS_ID:33713						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete U-shaped headwall on the LS end. Inlet channel cobble revetted. Dilapidated wooden pier on the waterside (WS). WS slope and outlet ditch cobble revetted. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.49)].						
FS Date: 4/15/2014						

LM Start	0.49	Rating **	M	Issue No.	32 (cont)
LM End	0.49	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_33713_60963.jpg



Slide gate in CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2019_33713_60965.jpg



Outlet on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.49	Rating **	M	Issue No.	32 (cont)	
LM End	0.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.258543 °	37.258543 °	
				-120.764728 °	-120.764728 °	
DWR ID	19894					
Comment Code						
Inspector Comment						
DS_ID:19894 FS_ID:33713 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete U-shaped headwall on the LS end. Inlet channel cobble revetted. Dilapidated wooden pier on the waterside (WS). WS slope and outlet ditch cobble revetted. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.49)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP_FA_2019_33713_60964.jpg



Pipe and headwall on LS toe.

LM Start	0.53	Rating **	M	Issue No.	18
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.259097°	37.259097°
				-120.764846°	-120.764846°
DWR ID	DWR_NA0010_07_f_2018_18				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is livestock damage to the landside slope.					

Photo 1 of 2 : FA_2019_NA0010_125_18_20190912_00008.jpg



View of damage from livestock looking upstream. (Fall 2018)

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.53	Rating **	M	Issue No.	18 (cont)	
LM End	0.53	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.259097 °		37.259097 °
				-120.764846 °		-120.764846 °
DWR ID	DWR_NA0010_07_f_2018_18					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
There is livestock damage to the landside slope.						

Photo 2 of 2 : FA_2019_NA0010_125_18_20190912_00009.jpg



View of damage looking down landside slope. (2018)

LM Start	0.53	Rating **	A/W	Issue No.	33
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.259163 °	37.259163 °
				-120.764860 °	-120.764860 °
DWR ID	19895				
Comment Code					
Inspector Comment					
DS_ID:19895					
FS_ID:33723					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall with a wooden weir at the inlet on the landside (LS) toe. Concrete U-shaped headwall on the WS toe.					
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.53)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_33723_60981.jpg



Headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.53	Rating **	A/W	Issue No.	33 (cont)	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.259163 °		37.259163 °
				-120.764860 °		-120.764860 °
DWR ID	19895					
Comment Code						
Inspector Comment						
DS_ID:19895 FS_ID:33723 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall with a wooden weir at the inlet on the landside (LS) toe. Concrete U-shaped headwall on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.53)]. FS Date: 4/15/2014						

LM Start	0.53	Rating **	A/W	Issue No.	33 (cont)
LM End	0.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33723_60983.jpg



Flapgate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_33723_60982.jpg



Headwall, pipe, and wier on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.62	Rating **	M	Issue No.	23
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.260339°	37.254558°
				-120.764190°	-120.720811°
DWR ID	DWR_NA0010_07_f_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.70	Rating **	M	Issue No.	19
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.261337°	37.261337°
				-120.763303°	-120.763303°
DWR ID	DWR_NA0010_07_f_2018_19				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is livestock damage to the landside slope.					

Photo 1 of 1 : FA_2019_NA0010_125_19_20190912_00010.jpg



Damage to landside slope from livestock. (Fall 2018)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.85	Rating **	M	Issue No.	34
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.262981 °	37.262981 °
				-120.761703 °	-120.761703 °
DWR ID	19896				
Comment Code					
Inspector Comment					
DS_ID:19896 FS_ID:39507 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Wooden weir on concrete headwall at the landside (LS) toe. 36-inch concrete riser at the LS toe. Concrete U-shaped headwall on the WS end. Concrete standpipe on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.85)]. FS Date: 4/15/2014					

LM Start	0.85	Rating **	M	Issue No.	34 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39507_60986.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39507_60988.jpg



Headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.85	Rating **	M	Issue No.	34 (cont)	
LM End	0.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.262981 °	37.262981 °	
				-120.761703 °	-120.761703 °	
DWR ID	19896					
Comment Code						
Inspector Comment						
DS_ID:19896						
FS_ID:39507						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Wooden weir on concrete headwall at the landside (LS) toe. 36-inch concrete riser at the LS toe. Concrete U-shaped headwall on the WS end. Concrete standpipe on the LS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.85)].						
FS Date: 4/15/2014						

Photo 3 of 3 : UCIP_FA_2019_39507_60987.jpg



Concrete riser, concrete headwall, weir, and pipe at LS toe.

LM Start	0.93	Rating **	M	Issue No.	24
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263829°	37.257123°
				-120.760709°	-120.738799°
DWR ID	DWR_NA0010_07_f_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.94	Rating **	A/W	Issue No.	35	
LM End	0.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.263950 °		37.263950 °
				-120.760572 °		-120.760572 °
DWR ID	19897					
Comment Code						
Inspector Comment						
DS_ID:19897						
FS_ID:33725						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.94)].						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP_FA_2019_33725_60991.jpg



Concrete headwall and flapgate at WS toe.

LM Start	0.94	Rating **	A/W	Issue No.	35 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33725_60993.jpg



Concrete headwall and flapgate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.94	Rating **	A/W	Issue No.	35 (cont)	
LM End	0.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.263950 °		37.263950 °
				-120.760572 °		-120.760572 °
DWR ID	19897					
Comment Code						
Inspector Comment						
DS_ID:19897						
FS_ID:33725						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.94)].						
FS Date: 4/15/2014						

Photo 3 of 3 : UCIP_FA_2019_33725_60992.jpg



Concrete headwall and pipe on LS toe.

LM Start	1.17	Rating **	A/W	Issue No.	36
LM End	1.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.264421 °	37.264421 °
				-120.756683 °	-120.756683 °
DWR ID	19898				
Comment Code					
Inspector Comment					
DS_ID:19898					
FS_ID:33726					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe					
through the levee, 14.6 feet below the crown. Flap gate on the					
waterside (WS) end. Concrete U-shaped headwall on each end.					
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin					
O&M Manual 601.1, 1967, (HLM 1.17)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_33726_60996.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.17	Rating **	A/W	Issue No.	36 (cont)	
LM End	1.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.264421 °	37.264421 °	
				-120.756683 °	-120.756683 °	
DWR ID	19898					
Comment Code						
Inspector Comment						
DS_ID:19898						
FS_ID:33726						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe						
through the levee, 14.6 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete U-shaped headwall on each end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin						
O&M Manual 601.1, 1967, (HLM 1.17)].						
FS Date: 4/15/2014						

Photo 2 of 3 : UCIP_FA_2019_33726_60995.jpg



Flapgate at headwall on WS toe.

LM Start	1.17	Rating **	A/W	Issue No.	36 (cont)
LM End	1.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33726_60997.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.50	Rating **	M	Issue No.	6
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263955 °	37.263885 °
				-120.750751 °	-120.750527 °
DWR ID	DWR_NA0010_07_s_2014_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0010_125_6_20190912_00003.jpg



Looking at typical view of rodent holes within this section. (Spring 2018)

LM Start	1.50	Rating **	M	Issue No.	6 (cont)
LM End	1.51	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_125_6_20190912_00004.jpg



Looking northwest at landside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.50	Rating **	A/W	Issue No.	37	
LM End	1.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.263917 °	37.263917 °	
				-120.750694 °	-120.750694 °	
DWR ID	19902					
Comment Code						
Inspector Comment						
DS_ID:19902 FS_ID:33727 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.51)]. FS Date: 4/15/2014						

LM Start	1.50	Rating **	A/W	Issue No.	37 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_33727_61001.jpg



Pipe, headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_33727_61003.jpg



Pipe, headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.50	Rating **	A/W	Issue No.	37 (cont)	
LM End	1.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.263917 °	37.263917 °	
				-120.750694 °	-120.750694 °	
DWR ID	19902					
Comment Code						
Inspector Comment						
DS_ID:19902 FS_ID:33727 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.51)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP_FA_2019_33727_61002.jpg



Headwall and pipe on LS toe.

LM Start	1.71	Rating **	M	Issue No.	5
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.262570 °	37.262467 °
				-120.747453 °	-120.747180 °
DWR ID	DWR_NA0010_07_s_2013_5				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

No Photos

Slope damage from livestock. (Fall 2018)

Looking east at rodent hole next to fence post on landward shoulder.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.09	Rating **	M	Issue No.	12 (cont)	
LM End	2.09	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.259187 °		37.259187 °
				-120.742551 °		-120.742551 °
DWR ID	DWR_NA0010_07_f_2018_12					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Rodent activity is noted next to the fence post.						

Photo 2 of 2 : FA_2019_NA0010_125_12_20190912_00006.jpg



Looking at rodent activity next to fence post

LM Start	2.48	Rating **	A/W	Issue No.	38
LM End	2.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.255803 °	37.255803 °
				-120.737246 °	-120.737246 °
DWR ID	19899				
Comment Code					
Inspector Comment					
DS_ID:19899					
FS_ID:33728					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.48)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_33728_61006.jpg



Headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.48	Rating **	A/W	Issue No.	38 (cont)	
LM End	2.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.255803°	37.255803°	
				-120.737246°	-120.737246°	
DWR ID	19899					
Comment Code						
Inspector Comment						
DS_ID:19899						
FS_ID:33728						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 9.5 feet below the crown. Flap gate on the waterside						
(WS) end. Concrete headwall on the landside (LS) end. Concrete U-						
shaped headwall on the WS end. [Additional Reference(s): DWR Levee						
Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.48)].						
FS Date: 4/15/2014						

Photo 2 of 3 : UCIP_FA_2019_33728_61008.jpg



Concrete headwall and flapgate at WS toe.

LM Start	2.48	Rating **	A/W	Issue No.	38 (cont)
LM End	2.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33728_61007.jpg



Concrete headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.63	Rating **	A/W	Issue No.	39
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.254832 °	37.254832 °
				-120.734918 °	-120.734918 °
DWR ID	19900				
Comment Code					
Inspector Comment					
DS_ID:19900 FS_ID:33729 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.64)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_33729_61011.jpg



Concrete headwall and flapgate on WS toe.

LM Start	2.63	Rating **	A/W	Issue No.	39 (cont)
LM End	2.63	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33729_61010.jpg



Concrete headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.63	Rating **	A/W	Issue No.	39 (cont)
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.254832 °	37.254832 °
				-120.734918 °	-120.734918 °
DWR ID	19900				
Comment Code					
Inspector Comment					
DS_ID:19900 FS_ID:33729 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.64)]. FS Date: 4/15/2014					

Photo 3 of 3 : UCIP_FA_2019_33729_61012.jpg



Concrete headwall and pipe at LS toe.

LM Start	3.09	Rating **	M	Issue No.	40	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.251883 °		37.251883 °
				-120.728264 °		-120.728264 °
DWR ID	19901					
Comment Code						
Inspector Comment						
DS_ID:19901						
FS_ID:39508						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Some sediment buildup at landward toe and inside pipe--recommend clearing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end.						
Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)].						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP_FA_2019_39508_61016.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.09	Rating **	M	Issue No.	40 (cont)	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.251883 °		37.251883 °
				-120.728264 °		-120.728264 °
DWR ID	19901					
Comment Code						
Inspector Comment						
DS_ID:19901 FS_ID:39508 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Some sediment buildup at landward toe and inside pipe--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)]. FS Date: 4/15/2014						

LM Start	3.09	Rating **	M	Issue No.	40 (cont)
LM End	3.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39508_61015.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39508_61017.jpg



Headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 08 Bear Creek Bypass			Left	3.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/9/2019 - 4/9/2019		10/24/2019 - 10/24/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.23	Rating **	A/W	Issue No.	30	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.256092 °	37.256092 °	
				-120.767873 °	-120.767873 °	
DWR ID	19903					
Comment Code						
Inspector Comment						
DS_ID:19903						
FS_ID:33751						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.23)].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_33751_61068.jpg



Headwall and flapgate on WS toe.

LM Start	0.23	Rating **	A/W	Issue No.	30 (cont)
LM End	0.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33751_61067.jpg



Headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.23	Rating **	A/W	Issue No.	30 (cont)	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.256092 °	37.256092 °	
				-120.767873 °	-120.767873 °	
DWR ID	19903					
Comment Code						
Inspector Comment						
DS_ID:19903 FS_ID:33751 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.23)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_33751_61069.jpg



Concrete headwall on LS toe.

LM Start	0.43	Rating **	M	Issue No.	15
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257019 °	37.257019 °
				-120.764488 °	-120.764488 °
DWR ID	DWR_NA0010_08_s_2016_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.48	Rating **	M	Issue No.	29
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257280 °	37.262727 °
				-120.763803 °	-120.759726 °
DWR ID	DWR_NA0010_08_f_2019_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.52	Rating **	M	Issue No.	27
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257915 °	37.263177 °
				-120.763628 °	-120.752713 °
DWR ID	DWR_NA0010_08_f_2019_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_126_27_20191112_00045.jpg



View of the waterside slope looking downstream. (Fall 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.57	Rating **	A/W	Issue No.	31
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.258604 °	37.258604 °
				-120.763588 °	-120.763588 °
DWR ID	19904				
Comment Code					
Inspector Comment					
DS_ID:19904					
FS_ID:33752					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe					
through the levee, 12.4 feet below the crown. Flap gate on the					
waterside (WS) end. Concrete headwall on each end. [Additional					
Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M					
Manual 601.1, 1967, (HLM 0.57)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_33752_61073.jpg



Pipe, flapgate and headwall on WS toe.

LM Start	0.57	Rating **	A/W	Issue No.	31 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33752_61072.jpg



Pipe, flapgate and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.57	Rating **	A/W	Issue No.	31 (cont)	
LM End	0.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.258604 °	37.258604 °	
				-120.763588 °	-120.763588 °	
DWR ID	19904					
Comment Code						
Inspector Comment						
DS_ID:19904						
FS_ID:33752						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.57)].						
FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_33752_61074.jpg



Pipe and headwall on LS toe.

LM Start	0.72	Rating **	A/W	Issue No.	32
LM End	0.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.260306 °	37.260306 °
				-120.762127 °	-120.762127 °
DWR ID	19905				
Comment Code					
Inspector Comment					
DS_ID:19905					
FS_ID:33753					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.72)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_33753_61078.jpg



Headwall and flapgate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.72	Rating **	A/W	Issue No.	32 (cont)	
LM End	0.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.260306 °	37.260306 °	
				-120.762127 °	-120.762127 °	
DWR ID	19905					
Comment Code						
Inspector Comment						
DS_ID:19905 FS_ID:33753 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.72)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP_FA_2019_33753_61080.jpg



Headwall and flapgate at WS toe.

LM Start	0.72	Rating **	A/W	Issue No.	32 (cont)
LM End	0.72	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33753_61079.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	33
LM End	0.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.262384 °	37.262384 °
				-120.760528 °	-120.760528 °
DWR ID	19832				
Comment Code					
Inspector Comment					
DS_ID:19832 FS_ID:39887 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Some sediment buildup at inlet on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.89)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_39887_61084.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	0.90	Rating **	M	Issue No.	33 (cont)
LM End	0.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39887_61083.jpg



Headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	33 (cont)	
LM End	0.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.262384 °	37.262384 °	
				-120.760528 °	-120.760528 °	
DWR ID	19832					
Comment Code						
Inspector Comment						
DS_ID:19832						
FS_ID:39887						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/16/2014 Some sediment buildup at inlet on LS toe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.89)].						
FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_39887_61085.jpg



Pipe and headwall on LS toe.

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263182 °	37.263183 °
				-120.755650 °	-120.755637 °
DWR ID	DWR_NA0010_08_s_2012_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_126_2_20190912_00001.jpg



Looking south at the landside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	28
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.263179°	37.263179°
				-120.755444°	-120.755444°
DWR ID	DWR_NA0010_08_f_2019_28				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_126_28_20191112_00047.jpg

View of slope damage on the landside of the levee looking upstream.
(Fall 2019)

LM Start	1.21	Rating **	M	Issue No.	34
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.263188 °	37.263188 °
				-120.755399 °	-120.755399 °
DWR ID	19833				
Comment Code					
Inspector Comment					
DS_ID:19833 FS_ID:39509 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Debris blocking landward headwall-- recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.21)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_39509_61090.jpg



Concrete headwall, pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	34 (cont)	
LM End	1.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.263188°	37.263188°	
				-120.755399°	-120.755399°	
DWR ID	19833					
Comment Code						
Inspector Comment						
DS_ID:19833 FS_ID:39509 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Debris blocking landward headwall--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.21)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP_FA_2019_39509_61091.jpg



Concrete headwall, pipe, and flapgate on WS toe.

LM Start	1.21	Rating **	M	Issue No.	34 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39509_61089.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.32	Rating **	M	Issue No.	21
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.263143°	37.263143°	
			-120.753366°	-120.753366°	
DWR ID	DWR_NA0010_08_f_2018_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	8
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.263175°	37.263175°	
			-120.752307°	-120.752307°	
DWR ID	DWR_NA0010_08_s_2013_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_126_8_20190912_00005.jpg



Looking west at rodent holes on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.38	Rating **	M	Issue No.	35	
LM End	1.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.263194 °	37.263194 °	
				-120.752299 °	-120.752299 °	
DWR ID	19834					
Comment Code						
Inspector Comment						
DS_ID:19834						
FS_ID:39510						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/16/2014 Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.38)].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_39510_61094.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	1.38	Rating **	M	Issue No.	35 (cont)
LM End	1.38	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39510_61093.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.38	Rating **	M	Issue No.	35 (cont)	
LM End	1.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.263194 °	37.263194 °	
				-120.752299 °	-120.752299 °	
DWR ID	19834					
Comment Code						
Inspector Comment						
DS_ID:19834 FS_ID:39510 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.38)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_39510_61095.jpg



Animal burrows along alignment on LS slope.

LM Start	1.61	Rating **	M	Issue No.	1
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261842 °	37.261842 °
				-120.748510 °	-120.748510 °
DWR ID	DWR_NA0010_08_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	1.81	Rating **	M	Issue No.	26
LM End	1.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.260673 °	37.260673 °
				-120.745290 °	-120.745290 °
DWR ID	DWR_NA0010_08_f_2019_26				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	A/W	Issue No.	5
LM End	3.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.258410 °	37.251737 °
				-120.743412 °	-120.726246 °
DWR ID	DWR_NA0010_08_s_2016_5				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
A depression is noted on the levee crown.					

Photo 1 of 1 : FA_2019_NA0010_126_5_20190912_00004.jpg



Looking west at depression on toward landward shoulder.

* **Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** **Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ **Issue Type**
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	36	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.258220 °	37.258220 °	
				-120.742868 °	-120.742868 °	
DWR ID	19835					
Comment Code						
Inspector Comment						
DS_ID:19835 FS_ID:39511 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_39511_61098.jpg



Pipe, headwall, and flapgate on Ws toe.

LM Start	2.05	Rating **	M	Issue No.	36 (cont)
LM End	2.05	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39511_61099.jpg



Pipe and headwall buried in sediment at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	36 (cont)	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.258220 °		37.258220 °
				-120.742868 °		-120.742868 °
DWR ID	19835					
Comment Code						
Inspector Comment						
DS_ID:19835 FS_ID:39511 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_39511_61097.jpg



Pipe and headwall buried in sediment at LS toe.

LM Start	2.07	Rating **	M	Issue No.	25
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258059 °	37.258059 °
				-120.742451 °	-120.742451 °
DWR ID	DWR_NA0010_08_f_2019_25				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.07	Rating **	A/W	Issue No.	22
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.258076 °	37.258076 °
				-120.742439 °	-120.742439 °
DWR ID	DWR_NA0010_08_f_2018_22				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is damage to the slope and shoulder from livestock.					

Photo 1 of 1 : FA_2019_NA0010_126_22_20190912_00007.jpg



Slope and shoulder damage from livestock. (Fall 2018)

LM Start	2.12	Rating **	M	Issue No.	37
LM End	2.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.257800 °	37.257800 °
				-120.741604 °	-120.741604 °
DWR ID	19836				
Comment Code					
Inspector Comment					
DS_ID:19836 FS_ID:39512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.12)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_39512_61102.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.12	Rating **	M	Issue No.	37 (cont)	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.257800 °	37.257800 °	
				-120.741604 °	-120.741604 °	
DWR ID	19836					
Comment Code						
Inspector Comment						
DS_ID:19836 FS_ID:39512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.12)]. FS Date: 4/16/2014						

LM Start	2.12	Rating **	M	Issue No.	37 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39512_61100.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2019_39512_61101.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.74	Rating **	A/W	Issue No.	20
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.252503 °	37.252503 °
				-120.733282 °	-120.733282 °
DWR ID	DWR_NA0010_08_f_2018_20				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is minor erosion to the slope and shoulder.					

Photo 1 of 1 : FA_2019_NA0010_126_20_20190912_00006.jpg



Minor erosion to shoulder and slope from livestock. (Fall 2018)

LM Start	2.77	Rating **	A/W	Issue No.	38	
LM End	2.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.252228 °	37.252228 °	
				-120.732890 °	-120.732890 °	
DWR ID	19837					
Comment Code						
Inspector Comment						
DS_ID:19837						
FS_ID:33760						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 10.5 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete headwall on each end. [Additional						
Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M						
Manual 601.1, 1967, (HLM 2.77)].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP_FA_2019_33760_61107.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.77	Rating **	A/W	Issue No.	38 (cont)
LM End	2.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.252228°	37.252228°
				-120.732890°	-120.732890°
DWR ID	19837				

Comment Code

Inspector Comment

DS_ID:19837
 FS_ID:33760
 EP_NO: N/A
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.77)].
 FS Date: 4/16/2014

LM Start	2.77	Rating **	A/W	Issue No.	38 (cont)
LM End	2.77	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33760_61105.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2019_33760_61106.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	2.89	Rating **	M	Issue No.	23
LM End	3.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.251326°	37.253530°
				-120.731189°	-120.720542°
DWR ID	DWR_NA0010_08_f_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_126_23_20191112_00048.jpg



View of the waterside slope looking downstream. (Fall 2019)

LM Start	3.02	Rating **	M	Issue No.	24
LM End	3.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.250742°	37.252473°
				-120.728881°	-120.724958°
DWR ID	DWR_NA0010_08_f_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.06	Rating **	M	Issue No.	39
LM End	3.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.250864 °	37.250864 °
				-120.728151 °	-120.728151 °
DWR ID	19838				
Comment Code					
Inspector Comment					
DS_ID:19838					
FS_ID:49969					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 7/20/2016 LS inlet buried under dense vegetation. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (DWR UCIP - wwylie)					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.06)].					
FS Date: 7/20/2016					

Photo 1 of 3 : UCIP_FA_2019_49969_61112.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	3.06	Rating **	M	Issue No.	39 (cont)
LM End	3.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_49969_61113.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.06	Rating **	M	Issue No.	39 (cont)	
LM End	3.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.250864 °	37.250864 °	
				-120.728151 °	-120.728151 °	
DWR ID	19838					
Comment Code						
Inspector Comment						
DS_ID:19838 FS_ID:49969 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 LS inlet buried under dense vegetation. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.06)]. FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_FA_2019_49969_61111.jpg



Pipe and headwall on LS toe.

LM Start	3.24	Rating **	A/W	Issue No.	40
LM End	3.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.252230 °	37.252230 °
				-120.725504 °	-120.725504 °
DWR ID	19839				
Comment Code					
Inspector Comment					
DS_ID:19839 FS_ID:33764 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.24)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP_FA_2019_33764_61128.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.24	Rating **	A/W	Issue No.	40 (cont)	
LM End	3.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.252230 °	37.252230 °	
				-120.725504 °	-120.725504 °	
DWR ID	19839					
Comment Code						
Inspector Comment						
DS_ID:19839						
FS_ID:33764						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.24)].						
FS Date: 4/16/2014						

Photo 2 of 3 : UCIP_FA_2019_33764_61127.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	3.24	Rating **	A/W	Issue No.	40 (cont)
LM End	3.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_33764_61129.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.40	Rating **	M	Issue No.	3
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.253052°	37.253600°
				-120.722647°	-120.720198°
DWR ID	DWR_NA0010_08_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes were noted on landside slope within this reach.					

Photo 1 of 2 : FA_2019_NA0010_126_3_20190912_00002.jpg



Looking east at the crown towards the landside.

LM Start	3.40	Rating **	M	Issue No.	3 (cont)
LM End	3.54	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_126_3_20190912_00003.jpg



Looking at typical view of rodent holes on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	41
LM End	3.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.253151°	37.253151°
				-120.722182°	-120.722182°
DWR ID	19840				
Comment Code					
Inspector Comment					
DS_ID:19840 FS_ID:39513 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 No access available on landward side. Need to confirm status of crossing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/16/2014					

LM Start	3.43	Rating **	M	Issue No.	41 (cont)
LM End	3.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39513_61134.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39513_61133.jpg



Pipe, headwall, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/24/2019 10/24/2019	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	41 (cont)	
LM End	3.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.253151°	37.253151°	
				-120.722182°	-120.722182°	
DWR ID	19840					
Comment Code						
Inspector Comment						
DS_ID:19840 FS_ID:39513 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 No access available on landward side. Need to confirm status of crossing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP_FA_2019_39513_61132.jpg



Pipe likely at drainage swale off LS toe.

LM Start	3.49	Rating **	M	Issue No.	19
LM End	3.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.253403 °	37.253403 °
				-120.721095 °	-120.721095 °
DWR ID	DWR_NA0010_08_f_2018_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_126_19_20191112_00049.jpg



View of ruts forming in the levee crown. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 09 Owens Creek Bypass			Right	0.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/9/2019 - 4/9/2019		10/24/2019 - 10/24/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	5
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219941°	37.220017°
				-120.712764°	-120.698514°
DWR ID	DWR_NA0010_09_f_2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_127_5_20191112_00012.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	0.22	Rating **	M	Issue No.	6
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219945 °	37.220592 °
				-120.709675 °	-120.703832 °
DWR ID	DWR_NA0010_09_f_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_127_6_20191112_00013.jpg



View of the waterside slope looking upstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.47	Rating **	M	Issue No.	7	
LM End	0.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220416 °		37.220416 °
				-120.705248 °		-120.705248 °
DWR ID	19841					
Comment Code						
Inspector Comment						
DS_ID:19841 FS_ID:39888 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Concrete headwalls on landward and waterward under water. Need photo to confirm condition of concrete headwalls, pipe, and gate on both toes. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18.7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.47)]. FS Date: 4/22/2014						

Photo 1 of 3 : UCIP_FA_2019_39888_62119.jpg



Slide gate in CMP riser on WS slope with outlet visible in background.

LM Start	0.47	Rating **	M	Issue No.	7 (cont)
LM End	0.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39888_62117.jpg



Concrete headwall visible under water on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.47	Rating **	M	Issue No.	7 (cont)	
LM End	0.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220416°	37.220416°	
				-120.705248°	-120.705248°	
DWR ID	19841					
Comment Code						
Inspector Comment						
DS_ID:19841 FS_ID:39888 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Concrete headwalls on landward and waterward under water. Need photo to confirm condition of concrete headwalls, pipe, and gate on both toes. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18.7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.47)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_39888_62118.jpg



Concrete headwall visible at inlet on LS toe.

LM Start	0.69	Rating **	M	Issue No.	8	
LM End	0.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.219874 °		37.219874 °
				-120.701438 °		-120.701438 °
DWR ID	19842					
Comment Code						
Inspector Comment						
DS_ID:19842 FS_ID:39515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.70)]. FS Date: 4/22/2014						

Photo 1 of 3 : UCIP_FA_2019_39515_62128.jpg



Headwall, flapgate, and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.69	Rating **	M	Issue No.	8 (cont)	
LM End	0.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.219874 °	37.219874 °	
				-120.701438 °	-120.701438 °	
DWR ID	19842					
Comment Code						
Inspector Comment						
DS_ID:19842 FS_ID:39515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.70)]. FS Date: 4/22/2014						

Photo 2 of 3 : UCIP_FA_2019_39515_62132.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	0.69	Rating **	M	Issue No.	8 (cont)
LM End	0.69	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39515_62129.jpg



Headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.86	Rating **	M	Issue No.	4
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.220041°	37.220041°
				-120.698425°	-120.698425°
DWR ID	DWR_NA0010_09_f_2017_4				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0010_127_4_20190912_00001.jpg



View of slope erosion due to foot traffic. (Fall 2018)

LM Start	0.86	Rating **	M	Issue No.	4 (cont)
LM End	0.86	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_127_4_20190912_00002.jpg



Looking northwest at landside slope. (Fall 2017)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.87	Rating **	A/W	Issue No.	9	
LM End	0.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220051 °		37.220051 °
				-120.698374 °		-120.698374 °
DWR ID	19843					
Comment Code						
Inspector Comment						
DS_ID:19843						
FS_ID:34186						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Crane Irrigation Structure] 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Two slide gates in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. WS end cobble revetted on the bank and in the outlet drain. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)].						
FS Date: 4/22/2014						

LM Start	0.87	Rating **	A/W	Issue No.	9 (cont)
LM End	0.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34186_62134.jpg



48-inch CMP riser with slide gates on WS slope.

Photo 2 of 3 : UCIP_FA_2019_34186_62133.jpg



Inside CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.87	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.220051 °		37.220051 °
				-120.698374 °		-120.698374 °
DWR ID	19843					
Comment Code						
Inspector Comment						
DS_ID:19843						
FS_ID:34186						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Crane Irrigation Structure] 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Two slide gates in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. WS end cobble revetted on the bank and in the outlet drain. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)].						
FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_34186_62137.jpg



Outlet at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 10 Owens Creek Bypass			Left	0.80
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/9/2019 - 4/9/2019		10/24/2019 - 10/24/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.10	Rating **	U	Issue No.	2
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.218603 °	37.219328 °
				-120.710004 °	-120.698159 °
DWR ID	DWR_NA0010_10_f_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_128_2_20191112_00005.jpg



View of the waterside slope looking downstream. (Fall 2019)

LM Start	0.26	Rating **	M	Issue No.	5
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.218998 °	37.219247 °
				-120.707345 °	-120.698689 °
DWR ID	DWR_NA0010_10_f_2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	6	
LM End	0.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.219116 °	37.219116 °	
				-120.706652 °	-120.706652 °	
DWR ID	19845					
Comment Code						
Inspector Comment						
DS_ID:19845 FS_ID:39516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 19.6 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.31)]. FS Date: 4/22/2014						

LM Start	0.30	Rating **	M	Issue No.	6 (cont)
LM End	0.30	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39516_62144.jpg



Headwall and pipe visible on LS toe. Slide gate inside 48-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2019_39516_62146.jpg



Headwall and pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	6 (cont)	
LM End	0.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.219116 °	37.219116 °	
				-120.706652 °	-120.706652 °	
DWR ID	19845					
Comment Code						
Inspector Comment						
DS_ID:19845 FS_ID:39516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 19.6 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.31)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP_FA_2019_39516_62145.jpg



Headwall and pipe on LS toe. Pipe blocked by wooden cover.

LM Start	0.71	Rating **	M	Issue No.	3
LM End	0.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219133°	37.219318°
				-120.699423°	-120.698237°
DWR ID	DWR_NA0010_10_f_2019_3				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_128_3_20191112_00006.jpg



View of vegetation on the levee crown looking downstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/24/2019 10/24/2019	Corey Fujitani

LM Start	0.74	Rating **	C	Issue No.	4
LM End	0.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.219200°	37.219258°
				-120.699013°	-120.698629°
DWR ID	DWR_NA0010_10_f_2018_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes in the crown.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 11 Mariposa Bypass			Right	3.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/26/2019 - 3/26/2019		10/22/2019 - 10/22/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.16	Rating **	A/W	Issue No.	10 (cont)	
LM End	0.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.202730 °		37.202730 °
				-120.752270 °		-120.752270 °
DWR ID	DWR_NA0010_11_f_2018_10					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Slope damage is from livestock crossing.						

Photo 2 of 2 : FA_2019_NA0010_129_10_20190912_00003.jpg



Looking north down the levee slope. (Fall 2018)

LM Start	0.21	Rating **	M	Issue No.	11
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202731 °	37.202731 °
				-120.751389 °	-120.751389 °
DWR ID	DWR_NA0010_11_f_2018_11				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage is from livestock on the land and water side slopes.					

Photo 1 of 2 : FA_2019_NA0010_129_11_20190912_00004.jpg



View of slope damage on landside. (Fall 2018)

LM Start	0.21	Rating **	M	Issue No.	11 (cont)
LM End	0.21	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_129_11_20190912_00005.jpg



View of damage on waterside. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	18	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.202754 °		37.202754 °
				-120.747689 °		-120.747689 °
DWR ID	19846					
Comment Code						
Inspector Comment						
DS_ID:19846 FS_ID:39517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.42)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_39517_66644.jpg



View of slide gate inside CMP riser located on waterward slope.

LM Start	0.42	Rating **	M	Issue No.	18 (cont)
LM End	0.42	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39517_66643.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	18 (cont)	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202754 °	37.202754 °	
				-120.747689 °	-120.747689 °	
DWR ID	19846					
Comment Code						
Inspector Comment						
DS_ID:19846 FS_ID:39517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.42)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39517_66642.jpg



View of landward side.

LM Start	0.65	Rating **	M	Issue No.	19
LM End	0.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.202751 °	37.202751 °
				-120.743474 °	-120.743474 °
DWR ID	19847				
Comment Code					
Inspector Comment					
DS_ID:19847 FS_ID:39518 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39518_61997.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	19 (cont)	
LM End	0.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202751°	37.202751°	
				-120.743474°	-120.743474°	
DWR ID	19847					
Comment Code						
Inspector Comment						
DS_ID:19847						
FS_ID:39518						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)].						
FS Date: 4/18/2014						

LM Start	0.65	Rating **	M	Issue No.	19 (cont)
LM End	0.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39518_61996.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2019_39518_61999.jpg



Flap gate and concrete apron located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.84	Rating **	M	Issue No.	20	
LM End	0.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202745 °	37.202745 °	
				-120.739935 °	-120.739935 °	
DWR ID	19848					
Comment Code						
Inspector Comment						
DS_ID:19848						
FS_ID:39519						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)].						
FS Date: 4/18/2014						

LM Start	0.84	Rating **	M	Issue No.	20 (cont)
LM End	0.84	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39519_62003.jpg



Overview of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39519_62002.jpg



Concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.84	Rating **	M	Issue No.	20 (cont)	
LM End	0.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202745 °	37.202745 °	
				-120.739935 °	-120.739935 °	
DWR ID	19848					
Comment Code						
Inspector Comment						
DS_ID:19848 FS_ID:39519 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39519_62001.jpg



View of landward side.

LM Start	1.13	Rating **	M	Issue No.	21
LM End	1.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.202748 °	37.202748 °
				-120.734796 °	-120.734796 °
DWR ID	19849				
Comment Code					
Inspector Comment					
DS_ID:19849					
FS_ID:39520					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.13)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39520_62008.jpg



View of waterward side--flap gate visible at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.13	Rating **	M	Issue No.	21 (cont)	
LM End	1.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202748 °	37.202748 °	
				-120.734796 °	-120.734796 °	
DWR ID	19849					
Comment Code						
Inspector Comment						
DS_ID:19849						
FS_ID:39520						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.13)].						
FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_39520_62007.jpg



View of landward side.

LM Start	1.13	Rating **	M	Issue No.	21 (cont)
LM End	1.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39520_62006.jpg



Concrete headwall located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.41	Rating **	M	Issue No.	15							
LM End	3.29	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		37.202749 °	37.202325 °								
			-120.729715 °	-120.695626 °								
DWR ID	DWR_NA0010_11_f_2019_15											
Comment Code												
V1 : Control annual grass and weeds on the levee slopes and easements.												
Inspector Comment												

No Photos

LM Start	1.41	Rating **	M	Issue No.	16							
LM End	3.29	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		37.202748 °	37.202322 °								
			-120.729671 °	-120.695581 °								
DWR ID	DWR_NA0010_11_f_2019_16											
Comment Code												
V1 : Control annual grass and weeds on the levee slopes and easements.												
Inspector Comment												

No Photos

LM Start	1.49	Rating **	A/W	Issue No.	9							
LM End	1.49	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Slope Stability		37.202748 °	37.202748 °								
			-120.728182 °	-120.728182 °								
DWR ID	DWR_NA0010_11_f_2017_9											
Comment Code												
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.												
Inspector Comment												

Photo 1 of 1 : FA_2019_NA0010_129_9_20190912_00001.jpg



Looking northwest at landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.49	Rating **	M	Issue No.	22	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202753°	37.202753°	
				-120.728133°	-120.728133°	
DWR ID	19850					
Comment Code						
Inspector Comment						
DS_ID:19850						
FS_ID:39521						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 16.3 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.50)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_39521_62018.jpg



View of waterward side.

LM Start	1.49	Rating **	M	Issue No.	22 (cont)
LM End	1.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39521_62017.jpg



View of concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.49	Rating **	M	Issue No.	22 (cont)	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202753°	37.202753°	
				-120.728133°	-120.728133°	
DWR ID	19850					
Comment Code						
Inspector Comment						
DS_ID:19850 FS_ID:39521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 16.3 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.50)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39521_62016.jpg



Inside view of pipe from waterward side--sediment build up.

LM Start	1.77	Rating **	M	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202743°	37.202743°
				-120.723187°	-120.723187°
DWR ID	DWR_NA0010_11_s_2012_1				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	23
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.202740 °	37.202740 °
				-120.719247 °	-120.719247 °
DWR ID	19851				
Comment Code					
Inspector Comment					
DS_ID:19851					
FS_ID:39522					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.99)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39522_62024.jpg



View of waterward side.

LM Start	1.98	Rating **	M	Issue No.	23 (cont)
LM End	1.98	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39522_62025.jpg



Flap gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	23 (cont)
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.202740 °	37.202740 °
				-120.719247 °	-120.719247 °
DWR ID	19851				
Comment Code					
Inspector Comment					
DS_ID:19851					
FS_ID:39522					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.99)].					
FS Date: 4/18/2014					

Photo 3 of 3 : UCIP_FA_2019_39522_62023.jpg



View of landward side.

LM Start	2.31	Rating **	M	Issue No.	17
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202730°	37.202730°
				-120.713368°	-120.713368°
DWR ID	DWR_NA0010_11_f_2019_17				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_129_17_20191112_00031.jpg



Damage to the landside slope from livestock traffic. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	2.46	Rating **	A/W	Issue No.	12
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202712°	37.202712°
				-120.710633°	-120.710633°
DWR ID	DWR_NA0010_11_f_2018_12				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage is from livestock to both landside and waterside slopes.					

Photo 1 of 2 : FA_2019_NA0010_129_12_20190912_00006.jpg



View of landside slope. (Fall 2018)

LM Start	2.46	Rating **	A/W	Issue No.	12 (cont)
LM End	2.46	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_129_12_20190912_00007.jpg



View of waterside slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	3.04	Rating **	M	Issue No.	24	
LM End	3.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202494 °	37.202494 °	
				-120.700153 °	-120.700153 °	
DWR ID	19852					
Comment Code						
Inspector Comment						
DS_ID:19852						
FS_ID:39523						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.04)].						
FS Date: 4/18/2014						

LM Start	3.04	Rating **	M	Issue No.	24 (cont)
LM End	3.04	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39523_62028.jpg



Overview of waterward side--flap gate, concrete headwall and apron visible on levee toe.

Photo 2 of 3 : UCIP_FA_2019_39523_62027.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/22/2019 10/22/2019	Corey Fujitani

LM Start	3.04	Rating **	M	Issue No.	24 (cont)	
LM End	3.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.202494 °	37.202494 °	
				-120.700153 °	-120.700153 °	
DWR ID	19852					
Comment Code						
Inspector Comment						
DS_ID:19852 FS_ID:39523 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.04)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_39523_62030.jpg



Concrete headwall located on landward side--debris in front of headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 12 Mariposa Bypass			Left	3.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/26/2019 - 3/26/2019		10/22/2019 - 10/22/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	10
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200939 °	37.200949 °
				-120.755016 °	-120.695315 °
DWR ID	DWR_NA0010_12_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_130_10_20191112_00022.jpg



View of the landside slope looking downstream. (Fall 2019)

LM Start	0.01	Rating **	M	Issue No.	11
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200939 °	37.200949 °
				-120.754987 °	-120.695315 °
DWR ID	DWR_NA0010_12_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_130_11_20191112_00024.jpg



View of the waterside slope looking downstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.40	Rating **	M	Issue No.	15	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.200934 °		37.200934 °
				-120.747996 °		-120.747996 °
DWR ID	19855					
Comment Code						
Inspector Comment						
DS_ID:19855 FS_ID:36704 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.39)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36704_66647.jpg



View of waterward side.

LM Start	0.40	Rating **	M	Issue No.	15 (cont)
LM End	0.40	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36704_66649.jpg



Concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	0.40	Rating **	M	Issue No.	15 (cont)	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.200934 °		37.200934 °
				-120.747996 °		-120.747996 °
DWR ID	19855					
Comment Code						
Inspector Comment						
DS_ID:19855						
FS_ID:36704						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.39)].						
FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_36704_66648.jpg



View of waterward side--medium grass throughout slope.

LM Start	1.06	Rating **	M	Issue No.	16
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.200922 °	37.200922 °
				-120.736012 °	-120.736012 °
DWR ID	19856				
Comment Code					
Inspector Comment					
DS_ID:19856					
FS_ID:39889					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.06)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39889_62048.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.06	Rating **	M	Issue No.	16 (cont)	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.200922 °	37.200922 °	
				-120.736012 °	-120.736012 °	
DWR ID	19856					
Comment Code						
Inspector Comment						
DS_ID:19856						
FS_ID:39889						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.06)].						
FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_39889_62049.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	1.06	Rating **	M	Issue No.	16 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39889_62047.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.06	Rating **	M	Issue No.	14
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.200924 °	37.200923 °
				-120.735998 °	-120.735747 °
DWR ID	DWR_NA0010_12_f_2018_14				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage along slope is caused by livestock cutting into the 2:1 slope.					

No Photos

LM Start	1.27	Rating **	M	Issue No.	17	
LM End	1.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.200919 °		37.200919 °
				-120.732234 °		-120.732234 °
DWR ID	19857					
Comment Code						
Inspector Comment						
DS_ID:19857						
FS_ID:36705						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Landward side not accessible due to dense vegetation and fence. Concrete headwall and flap gate under water therefore not able to evaluate condition. Will need to coordinate with owner to evaluate condition of crossing on waterward side and obtain access to evaluate landward side. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.27)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP_FA_2019_36705_66654.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.27	Rating **	M	Issue No.	17 (cont)	
LM End	1.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.200919 °	37.200919 °	
				-120.732234 °	-120.732234 °	
DWR ID	19857					
Comment Code						
Inspector Comment						
DS_ID:19857 FS_ID:36705 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Landward side not accessible due to dense vegetation and fence. Concrete headwall and flap gate under water therefore not able to evaluate condition. Will need to coordinate with owner to evaluate condition of crossing on waterward side and obtain access to evaluate landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.27)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP_FA_2019_36705_66652.jpg



View of waterward slope.

LM Start	1.27	Rating **	M	Issue No.	17 (cont)
LM End	1.27	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36705_66653.jpg



View of concrete wall underwater.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	18
LM End	1.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.200913 °	37.200913 °
				-120.727496 °	-120.727496 °
DWR ID	19858				
Comment Code					
Inspector Comment					
DS_ID:19858 FS_ID:34126 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Limited access on landward side due to fence and dense vegetation. Recommend obtaining access to landward side and clear vegetation on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_34126_62060.jpg



View of waterward side.

LM Start	1.53	Rating **	M	Issue No.	18 (cont)
LM End	1.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34126_62061.jpg



Concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	18 (cont)	
LM End	1.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.200913 °	37.200913 °	
				-120.727496 °	-120.727496 °	
DWR ID	19858					
Comment Code						
Inspector Comment						
DS_ID:19858 FS_ID:34126 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Limited access on landward side due to fence and dense vegetation. Recommend obtaining access to landward side and clear vegetation on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP_FA_2019_34126_62059.jpg



View of landward side--limited access due to fence.

LM Start	2.16	Rating **	M	Issue No.	19
LM End	2.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.200908 °	37.200908 °
				-120.716118 °	-120.716118 °
DWR ID	19859				
Comment Code					
Inspector Comment					
DS_ID:19859 FS_ID:39506 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.16)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39506_62064.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	2.16	Rating **	M	Issue No.	19 (cont)	
LM End	2.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.200908 °		37.200908 °
				-120.716118 °		-120.716118 °
DWR ID	19859					
Comment Code						
Inspector Comment						
DS_ID:19859 FS_ID:39506 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.16)]. FS Date: 4/18/2014						

LM Start	2.16	Rating **	M	Issue No.	19 (cont)
LM End	2.16	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39506_62063.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2019_39506_62062.jpg



Dense vegetation on landward side--limited access due to fence along landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	2.33	Rating **	M	Issue No.	1
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.200907°	37.200907°	
			-120.712978°	-120.712978°	
DWR ID	DWR_NA0010_12_s_2012_1				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.70	Rating **	M	Issue No.	20
LM End	2.70	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.200906°	37.200906°	
			-120.706316°	-120.706316°	
DWR ID	19860				
Comment Code					
Inspector Comment					
DS_ID:19860 FS_ID:39890 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP_FA_2019_39890_62069.jpg



View of waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	2.70	Rating **	M	Issue No.	20 (cont)	
LM End	2.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.200906 °	37.200906 °	
				-120.706316 °	-120.706316 °	
DWR ID	19860					
Comment Code						
Inspector Comment						
DS_ID:19860						
FS_ID:39890						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)].						
FS Date: 4/18/2014						

LM Start	2.70	Rating **	M	Issue No.	20 (cont)
LM End	2.70	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39890_62070.jpg



Concrete headwall and flat gate located on waterward side.

Photo 3 of 3 : UCIP_FA_2019_39890_62068.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	3.00	Rating **	M	Issue No.	21	
LM End	3.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.200931 °	37.200931 °	
				-120.700908 °	-120.700908 °	
DWR ID	19861					
Comment Code						
Inspector Comment						
DS_ID:19861 FS_ID:46786 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/09/2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. 04/18/2014 Soil missing behind concrete headwall on waterward side. Unable to determine if missing soil is due to sink holes, rodent activity, or due to erosion. Headwall appears to be leaning slightly forward. Reason why this crossing was labelled urgent was due to the uncertainty of damage to concrete headwall and reason for soil missing behind concrete. Need to coordinate with LMA to determine more information about repair at this location. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.00)]. FS Date: 11/10/2015 9:29:00 AM						

LM Start	3.00	Rating **	M	Issue No.	21 (cont)
LM End	3.00	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_46786_62073.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_46786_74729.jpg



Repair to headwall located on waterward side has been addressed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	3.00	Rating **	M	Issue No.	21 (cont)	
LM End	3.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.200931 °	37.200931 °	
				-120.700908 °	-120.700908 °	
DWR ID	19861					
Comment Code						
Inspector Comment						
DS_ID:19861 FS_ID:46786 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/09/2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. 04/18/2014 Soil missing behind concrete headwall on waterward side. Unable to determine if missing soil is due to sink holes, rodent activity, or due to erosion. Headwall appears to be leaning slightly forward. Reason why this crossing was labelled urgent was due to the uncertainty of damage to concrete headwall and reason for soil missing behind concrete. Need to coordinate with LMA to determine more information about repair at this location. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.00)]. FS Date: 11/10/2015 9:29:00 AM						

Photo 3 of 3 : UCIP_FA_2019_46786_62072.jpg



Side view of concrete headwall which appears to be slightly slanted forward--missing soil behind headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/22/2019 10/22/2019	Corey Fujitani

LM Start	3.33	Rating **	M	Issue No.	22
LM End	3.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.200954 °	37.200954 °
				-120.694795 °	-120.694795 °
DWR ID	19906				
Comment Code					
Inspector Comment					
DS_ID:19906 FS_ID:39893 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 04/18/2014 Unable to confirm if crossing recorded as Unit 6 9.735 is the same as this one. No way to measure diameter crossing has slide gate on landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Eastside Canal Siphon] 48-inch corrugated metal irrigation siphon pipe through the levee and under the channel, 17.5 feet below the crown. Slide gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.36)]. FS Date: 4/18/2014					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 13 Ash Slough			Right	1.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/10/2019 - 4/10/2019		10/29/2019 - 10/29/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	4
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.033798 °	37.038351 °
				-120.442095 °	-120.440170 °
DWR ID	DWR_NA0010_13_f_2019_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_131_4_20191113_00018.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	0.09	Rating **	M	Issue No.	7
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.034991 °	37.038376 °
				-120.441589 °	-120.440158 °
DWR ID	DWR_NA0010_13_f_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.15	Rating **	M	Issue No.	3
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.035760 °	37.035760 °
				-120.441282 °	-120.441282 °
DWR ID	DWR_NA0010_13_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_131_3_20190912_00001.jpg



Looking at the landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Lower San Joaquin Levee District

No Photos

View of the landside slope looking upstream. (Fall 2019)

View of several rodent burrows in landside shoulder. (Fall 2018)

Page 2 of 9

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.91	Rating **	M	Issue No.	5
LM End	0.91	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.044855 °	37.044855 °
				-120.434106 °	-120.434106 °
DWR ID	DWR_NA0010_13_s_2014_5				
Comment Code					
RA : Ramp					
Inspector Comment					
There is an unauthorized ramp on waterside slope.					

LM Start	0.91	Rating **	M	Issue No.	5 (cont)
LM End	0.91	Issue Type +	En	Location *	WS

Photo 1 of 3 : FA_2019_NA0010_131_5_20190912_00002.jpg



Photo 2 of 3 : FA_2019_NA0010_131_5_20190912_00003.jpg



Looking east at unauthorized ramp on waterward slope.

LM Start	0.91	Rating **	M	Issue No.	5 (cont)
LM End	0.91	Issue Type +	En	Location *	WS

Photo 3 of 3 : FA_2019_NA0010_131_5_20190912_00004.jpg



Looking at unauthorized ramp on waterward slope. (Fall 2014)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.14	Rating **	U	Issue No.	6
LM End	1.14	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.045541 °	37.045541 °
				-120.430014 °	-120.430014 °
DWR ID	DWR_NA0010_13_f_2015_6				
Comment Code					
WL : Wall					
Inspector Comment					
Sand dam may have been blown out due to high flows in 2017 but has been restored.					

Photo 1 of 6 : FA_2019_NA0010_131_6_20190912_00005.jpg



Looking overview of sand dam.

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 2 of 6 : FA_2019_NA0010_131_6_20190912_00006.jpg



Looking west at upstream side of sand dam on the southside of the drop structure.

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 3 of 6 : FA_2019_NA0010_131_6_20190912_00007.jpg



Looking south at downstream side of structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.14	Rating **	U	Issue No.	6 (cont)	
LM End	1.14	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			37.045541 °	37.045541 °	
				-120.430014 °	-120.430014 °	
DWR ID	DWR_NA0010_13_f_2015_6					
Comment Code						
WL : Wall						
Inspector Comment						
Sand dam may have been blown out due to high flows in 2017 but has been restored.						

Photo 4 of 6 : FA_2019_NA0010_131_6_20190912_00008.jpg



Looking at corrugated pipe on north end on upstream side of structure.

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 5 of 6 : FA_2019_NA0010_131_6_20190912_00009.jpg



Looking at corrugated pipe on north end on downstream side of structure.

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 6 of 6 : FA_2019_NA0010_131_6_20190912_00010.jpg



Looking at corrugated pipe on south end on downstream side of structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	12	
LM End	1.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.045872°	37.045872°	
				-120.430070°	-120.430070°	
DWR ID	19727					
Comment Code						
Inspector Comment						
DS_ID:19727 FS_ID:39877 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Appears abandoned and if so should be done so properly. Pipe filled with soil on WS at outlet. Actuator missing from slide gate on WS shoulder. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)]. FS Date: 3/27/2014						

LM Start	1.14	Rating **	M	Issue No.	12 (cont)
LM End	1.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39877_59385.jpg



Slide gate in CMP riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2019_39877_59384.jpg



Concrete box on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	12 (cont)	
LM End	1.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.045872 °	37.045872 °	
				-120.430070 °	-120.430070 °	
DWR ID	19727					
Comment Code						
Inspector Comment						
DS_ID:19727 FS_ID:39877 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Appears abandoned and if so should be done so properly. Pipe filled with soil on WS at outlet. Actuator missing from slide gate on WS shoulder. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP_FA_2019_39877_59389.jpg



Concrete box on WS toe.

LM Start	1.14	Rating **	M	Issue No.	13	
LM End	1.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.045870 °		37.045870 °
				-120.430080 °		-120.430080 °
DWR ID	19908					
Comment Code						
Inspector Comment						
DS_ID:19908 FS_ID:39524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 No lid on riser at WS shoulder could be safety issue. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)]. FS Date: 3/27/2014						

Photo 1 of 3 : UCIP_FA_2019_39524_59390.jpg



Slide gate in CMP riser without at lid on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	13 (cont)	
LM End	1.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.045870 °		37.045870 °
				-120.430080 °		-120.430080 °
DWR ID	19908					
Comment Code						
Inspector Comment						
DS_ID:19908 FS_ID:39524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 No lid on riser at WS shoulder could be safety issue. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)]. FS Date: 3/27/2014						

Photo 2 of 3 : UCIP_FA_2019_39524_59392.jpg



Concrete distribution box on WS toe.

LM Start	1.14	Rating **	M	Issue No.	13 (cont)
LM End	1.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39524_59391.jpg



Pipe at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.15	Rating **	M	Issue No.	11
LM End	1.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.045897°	37.046260°
				-120.430008°	-120.428274°
DWR ID	DWR_NA0010_13_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 14 Ash Slough			Left	1.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/10/2019 - 4/10/2019		10/29/2019 - 10/29/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.25	Rating **	M	Issue No.	5
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.035841 °	37.035841 °
				-120.439795 °	-120.439795 °
DWR ID	DWR_NA0010_14_f_2017_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_132_5_20190912_00002.jpg



Looking at the landside slope.

LM Start	0.34	Rating **	M	Issue No.	6
LM End	0.34	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.037058 °	37.037058 °
				-120.439266 °	-120.439266 °
DWR ID	DWR_NA0010_14_f_2018_6				
Comment Code					
RA : Ramp					
Inspector Comment					

No Photos

LM Start	0.49	Rating **	U	Issue No.	9
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.039123°	37.042116°
				-120.438400°	-120.435634°
DWR ID	DWR_NA0010_14_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_132_9_20191113_00010.jpg



Looking downstream along the waterside slope. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

No Photos

No Photos

View of the waterside slope looking downstream. (Fall 2019)

Page 2 of 6

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.15	Rating **	M	Issue No.	80	
LM End	1.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.044906 °	37.044906 °	
				-120.429695 °	-120.429695 °	
DWR ID	19909					
Comment Code						
Inspector Comment						
DS_ID:19909 FS_ID:39526 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Lid should be installed on CMP riser on WS slope, could be a safety hazard. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 36-inch corrugated metal gravity irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 7-foot concrete distribution box at the WS toe. Slots for wooden flashboards on the WS of the box. 7-foot by 9-foot concrete distribution box on the landside (LS), 20 feet from the toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.15)]. FS Date: 3/27/2014						

LM Start	1.15	Rating **	M	Issue No.	80 (cont)
LM End	1.15	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_39526_59398.jpg



Slide gate in CMP riser and outlet/inlet structure visible in background at WS toe.

Photo 2 of 3 : UCIP_FA_2019_39526_59396.jpg



concrete inlet/outlet at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.15	Rating **	M	Issue No.	80 (cont)	
LM End	1.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.044906 °	37.044906 °	
				-120.429695 °	-120.429695 °	
DWR ID	19909					
Comment Code						
Inspector Comment						
DS_ID:19909 FS_ID:39526 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Lid should be installed on CMP riser on WS slope, could be a safety hazard. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 36-inch corrugated metal gravity irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 7-foot concrete distribution box at the WS toe. Slots for wooden flashboards on the WS of the box. 7-foot by 9-foot concrete distribution box on the landside (LS), 20 feet from the toe. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.15)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP_FA_2019_39526_59397.jpg



Concrete distribution box visible next to power pole off LS toe.

LM Start	1.15	Rating **	C	Issue No.	3
LM End	1.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.044943 °	37.044943 °
				-120.429624 °	-120.429624 °
DWR ID	DWR_NA0010_14_f_2018_3				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage was left on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.24	Rating **	M	Issue No.	79
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.045343 °	37.045343 °
				-120.428007 °	-120.428007 °
DWR ID	DWR_NA0010_14_s_2015_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted on the landside at this location.					

Photo 1 of 1 : FA_2019_NA0010_132_79_20190912_00003.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	1.26	Rating **	A/W	Issue No.	81
LM End	1.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.045383 °	37.045383 °
				-120.427754 °	-120.427754 °
DWR ID	19910				
Comment Code					
Inspector Comment					
DS_ID:19910 FS_ID:32828 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Slide gate in a 42-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the WS end. Pipe terminates into a concrete ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.26)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP_FA_2019_32828_59402.jpg



Concrete U-shaped headwall on Ws toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.26	Rating **	A/W	Issue No.	81 (cont)	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.045383 °		37.045383 °
				-120.427754 °		-120.427754 °
DWR ID	19910					
Comment Code						
Inspector Comment						
DS_ID:19910 FS_ID:32828 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Slide gate in a 42-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the WS end. Pipe terminates into a concrete ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.26)]. FS Date: 3/27/2014						

LM Start	1.26	Rating **	A/W	Issue No.	81 (cont)
LM End	1.26	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32828_59401.jpg



slidegate in CMP riser on WS slope.

Photo 3 of 3 : UCIP_FA_2019_32828_59400.jpg



Inlet assumed to be within irrigation structure off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 15 Berenda Slough			Right	2.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/10/2019 - 4/10/2019		10/29/2019 - 10/29/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	5
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996588 °	36.996563 °
				-120.410464 °	-120.382888 °
DWR ID	DWR_NA0010_15_f_2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_133_5_20191113_00012.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	0.00	Rating **	U	Issue No.	4
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996589 °	36.996586 °
				-120.410463 °	-120.374106 °
DWR ID	DWR_NA0010_15_f_2019_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_133_4_20191113_00013.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	0.02	Rating **	U	Issue No.	7
LM End	1.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996550 °	36.996552 °
				-120.410106 °	-120.383081 °
DWR ID	DWR_NA0010_15_f_2019_7				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_133_7_20191113_00014.jpg



View along the levee crown looking upstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.48	Rating **	A/W	Issue No.	13
LM End	0.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.996551°	36.996551°
				-120.401737°	-120.401737°
DWR ID	19911				
Comment Code					
Inspector Comment					
DS_ID:19911 FS_ID:32838 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 10.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.48)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP_FA_2019_32838_59448.jpg



Concrete headwall on WS toe.

LM Start	0.48	Rating **	A/W	Issue No.	13 (cont)
LM End	0.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32838_59449.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.48	Rating **	A/W	Issue No.	13 (cont)	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.996551 °		36.996551 °
				-120.401737 °		-120.401737 °
DWR ID	19911					
Comment Code						
Inspector Comment						
DS_ID:19911						
FS_ID:32838						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 10.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.48)].						
FS Date: 3/27/2014						

Photo 3 of 3 : UCIP_FA_2019_32838_59447.jpg



Concrete headwall on LS toe.

LM Start	1.00	Rating **	M	Issue No.	14
LM End	1.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.996566 °	36.996566 °
				-120.392280 °	-120.392280 °
DWR ID	19912				
Comment Code					
Inspector Comment					
DS_ID:19912					
FS_ID:39527					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.					
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.01)].					
FS Date: 3/27/2014					

Photo 1 of 3 : UCIP_FA_2019_39527_59452.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.00	Rating **	M	Issue No.	14 (cont)	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.996566 °	36.996566 °	
				-120.392280 °	-120.392280 °	
DWR ID	19912					
Comment Code						
Inspector Comment						
DS_ID:19912 FS_ID:39527 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.01)]. FS Date: 3/27/2014						

LM Start	1.00	Rating **	M	Issue No.	14 (cont)
LM End	1.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39527_59453.jpg



Flapgate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39527_59451.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.51	Rating **	M	Issue No.	8
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.996560 °	36.996560 °
				-120.383133 °	-120.383133 °
DWR ID	DWR_NA0010_15_s_2018_8				
Comment Code					
GA : Garbage					
Inspector Comment					
There is a sofa on the waterward slope.					

No Photos

LM Start	1.51	Rating **	C	Issue No.	12
LM End	2.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996562 °	36.996586 °
				-120.383121 °	-120.373850 °
DWR ID	DWR_NA0010_15_f_2018_12				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Vegetation on levee crown should be removed.					

No Photos

LM Start	1.52	Rating **	M	Issue No.	9
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996550 °	36.996577 °
				-120.383017 °	-120.374581 °
DWR ID	DWR_NA0010_15_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.52	Rating **	M	Issue No.	11
LM End	1.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.996561 °	36.996587 °
				-120.382869 °	-120.374503 °
DWR ID	DWR_NA0010_15_s_2012_11				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	1.53	Rating **	M	Issue No.	15	
LM End	1.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.996582 °		36.996582 °
				-120.382757 °		-120.382757 °
DWR ID	19913					
Comment Code						
Inspector Comment						
DS_ID:19913 FS_ID:32840 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Excessive vegetation at inlet on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 3/27/2014						

Photo 1 of 3 : UCIP_FA_2019_32840_59456.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	15 (cont)	
LM End	1.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.996582 °		36.996582 °
				-120.382757 °		-120.382757 °
DWR ID	19913					
Comment Code						
Inspector Comment						
DS_ID:19913 FS_ID:32840 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Excessive vegetation at inlet on LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 3/27/2014						

LM Start	1.53	Rating **	M	Issue No.	15 (cont)
LM End	1.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32840_59457.jpg



Flapgate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_32840_59455.jpg



Concrete headwall on LS toe. Note excessive vegetation buildup.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.58	Rating **	M	Issue No.	6
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996563 °	36.996578 °
				-120.381895 °	-120.374111 °
DWR ID	DWR_NA0010_15_f _ 2017_6				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_133_6_20190912_00001.jpg



Representative picture of the crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 16 Berenda Slough			Left	1.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/10/2019 - 4/10/2019		10/29/2019 - 10/29/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Lower San Joaquin Levee District

No Photos

View of the landside slope looking downstream. (Fall 2019)

Looking downstream along the waterside slope. (Fall 2019)

Page 1 of 6

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/29/2019 10/29/2019	Corey Fujitani

LM Start	0.93	Rating **	M	Issue No.	92
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995439 °	36.995439 °
				-120.392146 °	-120.392146 °
DWR ID	DWR_NA0010_16_s_2015_92				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified within this section.					

Photo 1 of 1 : FA_2019_NA0010_134_92_20190912_00007.jpg



Looking at several rodent holes on landward slope.

LM Start	1.09	Rating **	M	Issue No.	3
LM End	1.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995433 °	36.995433 °
				-120.389190 °	-120.389190 °
DWR ID	DWR_NA0010_16_f_2016_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified on the levee crown.					

Photo 1 of 1 : FA_2019_NA0010_134_3_20190912_00003.jpg



Looking at several rodent holes and mole holes on levee crown.

LM Start	1.38	Rating **	M	Issue No.	9
LM End	1.89	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.995478 °	36.995492 °
				-120.383970 °	-120.374852 °
DWR ID	DWR_NA0010_16_s_2019_9				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.41	Rating **	M	Issue No.	5
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.995463°	36.995489°	
			-120.383496°	-120.373780°	
DWR ID	DWR_NA0010_16_f_2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.41	Rating **	M	Issue No.	6
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.995463°	36.995489°	
			-120.383496°	-120.373779°	
DWR ID	DWR_NA0010_16_f_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.41	Rating **	M	Issue No.	12
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.995467°	36.995467°	
			-120.383492°	-120.383492°	
DWR ID	DWR_NA0010_16_f_2019_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.43	Rating **	C	Issue No.	8
LM End	1.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995467 °	36.995467 °
				-120.383087 °	-120.383087 °
DWR ID	DWR_NA0010_16_f_2018_8				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	1.44	Rating **	M	Issue No.	93	
LM End	1.44	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.995473 °		36.995473 °
				-120.382872 °		-120.382872 °
DWR ID	19915					
Comment Code						
Inspector Comment						
DS_ID:19915						
FS_ID:39529						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Dense vegetation buildup at landside toe--recommend clearing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Two concrete cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.46)].						
FS Date: 4/1/2014 8:12:00 AM						

Photo 1 of 3 : UCIP_FA_2019_39529_59681.jpg



Concrete headwall on WS toe with channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.44	Rating **	M	Issue No.	93 (cont)	
LM End	1.44	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.995473 °		36.995473 °
				-120.382872 °		-120.382872 °
DWR ID	19915					
Comment Code						
Inspector Comment						
DS_ID:19915 FS_ID:39529 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation buildup at landside toe--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Two concrete cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.46)]. FS Date: 4/1/2014 8:12:00 AM						

LM Start	1.44	Rating **	M	Issue No.	93 (cont)
LM End	1.44	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39529_59680.jpg



Flapgate on headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39529_59682.jpg



Concrete headwall on LS toe covered in vegetation/tumble weeds.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/29/2019 10/29/2019	Corey Fujitani

LM Start	1.68	Rating **	M	Issue No.	4
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995503°	36.995503°
				-120.378579°	-120.378579°
DWR ID	DWR_NA0010_16_s_2014_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	U	Issue No.	2
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995487 °	36.995487 °
				-120.377054 °	-120.377054 °
DWR ID	DWR_NA0010_16_f_2014_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes are on the landside slope.					

Photo 1 of 2 : FA_2019_NA0010_134_2_20190912_00001.jpg



Looking at large rodent holes on landward slope.

LM Start	1.77	Rating **	U	Issue No.	2 (cont)
LM End	1.77	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_134_2_20190912_00002.jpg



Looking southwest at several rodent holes on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 17 Chowchilla Canal Bypass			Right	16.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/10/2019 - 4/11/2019		10/30/2019 - 10/31/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	12
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976433 °	36.928947 °
				-120.374756 °	-120.338577 °
DWR ID	DWR_NA0010_17_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_135_12_20191113_00036.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	0.00	Rating **	U	Issue No.	13
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976433 °	36.928855 °
				-120.374756 °	-120.338542 °
DWR ID	DWR_NA0010_17_f_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_135_13_20191113_00037.jpg



Looking upstream along the landside slope. (Fall 2019)

LM Start	0.67	Rating **	C	Issue No.	16
LM End	1.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.975967 °	36.971200 °
				-120.362673 °	-120.356472 °
DWR ID	DWR_NA0010_17_f_2018_16				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Short vegetation is growing on the levee crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	1.20	Rating **	C	Issue No.	17
LM End	1.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.970658 °	36.970008 °
				-120.355801 °	-120.355316 °
DWR ID	DWR_NA0010_17_f_2018_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Short vegetation is growing on the levee crown.					

No Photos

LM Start	1.71	Rating **	C	Issue No.	19	
LM End	1.80	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			36.963515 °		°
				-120.355780 °		°
DWR ID	DWR_NA0010_17_f_2018_19					
Comment Code						
V9 : Keep the crown roadway free of vegetation.						
Inspector Comment						
Short vegetation is growing on the levee crown.						

No Photos

LM Start	2.05	Rating **	M	Issue No.	20
LM End	2.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.959020 °	36.953855 °
				-120.352983 °	-120.349803 °
DWR ID	DWR_NA0010_17_f_2018_20				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Short vegetation is growing on the levee crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	40	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.952254 °	36.952254 °	
				-120.348804 °	-120.348804 °	
DWR ID	19916					
Comment Code						
Inspector Comment						
DS_ID:19916 FS_ID:39531 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.58)]. FS Date: 4/1/2014						

LM Start	2.57	Rating **	M	Issue No.	40 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39531_59710.jpg



Concrete headwall at channel on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39531_59711.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	40 (cont)	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.952254 °	36.952254 °	
				-120.348804 °	-120.348804 °	
DWR ID	19916					
Comment Code						
Inspector Comment						
DS_ID:19916						
FS_ID:39531						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.58)].						
FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39531_59709.jpg



Concrete headwall at LS toe.

LM Start	3.79	Rating **	M	Issue No.	26
LM End	3.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.935744 °	36.935744 °
				-120.341077 °	-120.341077 °
DWR ID	DWR_NA0010_17_f_2018_26				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_135_26_20190912_00010.jpg



View of rodent holes along the center of the crown. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	4.29	Rating **	M	Issue No.	15
LM End	4.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.928849 °	36.921591 °	
			-120.338539 °	-120.335880 °	
DWR ID	DWR_NA0010_17_f_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.29	Rating **	M	Issue No.	14
LM End	9.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.928849 °	36.850013 °	
			-120.338539 °	-120.314118 °	
DWR ID	DWR_NA0010_17_f_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.74	Rating **	M	Issue No.	22
LM End	4.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		36.922526 °	36.922526 °	
			-120.336227 °	-120.336227 °	
DWR ID	DWR_NA0010_17_f_2017_22				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_135_22_20190912_00007.jpg



Looking southeast at the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	4.81	Rating **	U	Issue No.	18
LM End	9.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.921580 °	36.858091 °
				-120.335876 °	-120.314454 °
DWR ID	DWR_NA0010_17_f_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_135_18_20191113_00038.jpg



View of the landside slope and toe looking upstream. (Fall 2019)

LM Start	5.75	Rating **	M	Issue No.	8
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.908605 °	36.906507 °
				-120.331112 °	-120.330353 °
DWR ID	DWR_NA0010_17_s_2012_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes are noted on the landside slope.					

Photo 1 of 2 : FA_2019_NA0010_135_8_20190912_00005.jpg



Looking at several rodent holes on landward slope. (Spring 2015)

LM Start	5.75	Rating **	M	Issue No.	8 (cont)
LM End	5.90	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_135_8_20190912_00006.jpg



Looking at several rodent holes on landside slope. (Fall 2014)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	6.51	Rating **	M	Issue No.	4
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.898093 °	36.895300 °
				-120.326689 °	-120.325322 °
DWR ID	DWR_NA0010_17_s_2012_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified within this reach.					

Photo 1 of 1 : FA_2019_NA0010_135_4_20190912_00003.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.27	Rating **	M	Issue No.	5
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.887852 °	36.886388 °
				-120.321668 °	-120.320950 °
DWR ID	DWR_NA0010_17_s_2012_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified within this reach.					

Photo 1 of 1 : FA_2019_NA0010_135_5_20190912_00004.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.41	Rating **	M	Issue No.	23
LM End	7.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.885998 °	36.885998 °
				-120.320759 °	-120.320759 °
DWR ID	DWR_NA0010_17_f_2017_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_135_23_20190912_00008.jpg



Looking southwest at the crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	8.15	Rating **	M	Issue No.	24
LM End	8.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.875525 °	36.875525 °
				-120.317788 °	-120.317788 °
DWR ID	DWR_NA0010_17_f_2017_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are on the landside and crown of levee. Rodent holes have caused some erosion on the landside slope.					

Photo 1 of 1 : FA_2019_NA0010_135_24_20190912_00009.jpg



Looking east at the landside slope.

LM Start	8.37	Rating **	A/W	Issue No.	41
LM End	8.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.872358 °	36.872358 °
				-120.317170 °	-120.317170 °
DWR ID	19922				
Comment Code					
Inspector Comment					
DS_ID:19922					
FS_ID:32999					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.38)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP_FA_2019_32999_59718.jpg



Concrete headwall and channel on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	8.37	Rating **	A/W	Issue No.	41 (cont)	
LM End	8.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.872358 °		36.872358 °
				-120.317170 °		-120.317170 °
DWR ID	19922					
Comment Code						
Inspector Comment						
DS_ID:19922						
FS_ID:32999						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.38)].						
FS Date: 4/1/2014						

LM Start	8.37	Rating **	A/W	Issue No.	41 (cont)
LM End	8.37	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32999_59720.jpg



Flapgate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_32999_59719.jpg



Concrete headwall and channel on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	9.37	Rating **	M	Issue No.	21
LM End	9.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.858074 °	36.849922 °
				-120.314453 °	-120.314114 °
DWR ID	DWR_NA0010_17_f_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.88	Rating **	M	Issue No.	42
LM End	9.88	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.850703 °	36.850703 °
				-120.314154 °	-120.314154 °
DWR ID	19917				
Comment Code					
Inspector Comment					
DS_ID:19917					
FS_ID:39532					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15 feet below the crown. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.89)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP_FA_2019_39532_59723.jpg



Concrete headwall and channel on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	9.88	Rating **	M	Issue No.	42 (cont)	
LM End	9.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.850703 °	36.850703 °	
				-120.314154 °	-120.314154 °	
DWR ID	19917					
Comment Code						
Inspector Comment						
DS_ID:19917 FS_ID:39532 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15 feet below the crown. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.89)]. FS Date: 4/1/2014						

LM Start	9.88	Rating **	M	Issue No.	42 (cont)
LM End	9.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39532_59724.jpg



Flapgate on Concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39532_59722.jpg



Concrete headwall and channel on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	10.39	Rating **	M	Issue No.	25
LM End	16.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.843345 °	36.775156 °
				-120.313439 °	-120.284356 °
DWR ID	DWR_NA0010_17_f_2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	11.03	Rating **	M	Issue No.	35
LM End	11.03	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.836724 °	36.836724 °
				-120.305328 °	-120.305328 °
DWR ID	DWR_NA0010_17_f_2018_35				
Comment Code					
PI : Pipe					
Inspector Comment					
Temporary pipe and ramp were moved off the levee crown and are currently being stored on the waterside slope.					

Photo 1 of 3 : FA_2019_NA0010_135_35_20191113_00039.jpg



View of ramp and temporary pipe material left on the waterside slope. (Fall 2019)

LM Start	11.03	Rating **	M	Issue No.	35 (cont)
LM End	11.03	Issue Type +	En	Location *	CR

Photo 2 of 3 : FA_2019_NA0010_135_35_20190912_00011.jpg



View of pipe encroachment looking downstream. (Fall 2018)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	11.03	Rating **	M	Issue No.	35 (cont)	
LM End	11.03	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.836724 °	36.836724 °	
				-120.305328 °	-120.305328 °	
DWR ID	DWR_NA0010_17_f_2018_35					
Comment Code						
PI : Pipe						
Inspector Comment						
Temporary pipe and ramp were moved off the levee crown and are currently being stored on the waterside slope.						

Photo 3 of 3 : FA_2019_NA0010_135_35_20190912_00012.jpg



View of pipe encroachment looking across crown. (Fall 2018)

LM Start	11.69	Rating **	M	Issue No.	27
LM End	14.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.829577 °	36.793989 °
				-120.297769 °	-120.302984 °
DWR ID	DWR_NA0010_17_f_2019_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.17	Rating **	U	Issue No.	39	
LM End	12.17	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.822818 °		36.822818 °
				-120.299680 °		-120.299680 °
DWR ID	DWR_NA0010_17_f_2018_39					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
A large hole is on the landside toe.						

Photo 1 of 2 : FA_2019_NA0010_135_39_20190912_00013.jpg



Large rodent hole at toe of levee. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	12.17	Rating **	U	Issue No.	39 (cont)	
LM End	12.17	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.822818 °		36.822818 °
				-120.299680 °		-120.299680 °
DWR ID	DWR_NA0010_17_f_2018_39					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
A large hole is on the landside toe.						

Photo 2 of 2 : FA_2019_NA0010_135_39_20190912_00014.jpg



Upclose view of rodent hole. (Fall 2018)

LM Start	12.28	Rating **	M	Issue No.	3
LM End	12.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.821368 °	36.820000 °
				-120.300283 °	-120.300831 °
DWR ID	DWR_NA0010_17_s_2014_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified within this reach.					

Photo 1 of 2 : FA_2019_NA0010_135_3_20190912_00001.jpg



Looking at typical view of rodent holes on landward slope. Fall 2015

LM Start	12.28	Rating **	M	Issue No.	3 (cont)
LM End	12.38	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_135_3_20190912_00002.jpg



Looking at several rodent holes on landward slope. Spring 2015

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	13.29	Rating **	M	Issue No.	43	
LM End	13.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.807509 °	36.807509 °	
				-120.306231 °	-120.306231 °	
DWR ID	19918					
Comment Code						
Inspector Comment						
DS_ID:19918						
FS_ID:39533						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Some vegetation buildup at inlet-recommend clearing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15.3 feet below the crown.						
Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)].						
FS Date: 4/1/2014						

LM Start	13.29	Rating **	M	Issue No.	43 (cont)
LM End	13.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39533_59727.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2019_39533_59726.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	13.29	Rating **	M	Issue No.	43 (cont)	
LM End	13.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.807509 °	36.807509 °	
				-120.306231 °	-120.306231 °	
DWR ID	19918					
Comment Code						
Inspector Comment						
DS_ID:19918						
FS_ID:39533						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2014 Some vegetation buildup at inlet--recommend clearing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15.3 feet below the crown.						
Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)].						
FS Date: 4/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39533_59725.jpg



Concrete headwall on LS toe. Some vegetation buildup.

LM Start	14.38	Rating **	M	Issue No.	44
LM End	14.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.793318 °	36.793318 °
				-120.302138 °	-120.302138 °
DWR ID	24850				
Comment Code					
Inspector Comment					
DS_ID:24850 FS_ID:41406 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/01/2014 No permit identified for this crossing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: Natural gas pipeline of an unknown size or material through the levee, at an unknown depth. Gas line markers on both shoulders. FS Date: 4/1/2014					

Photo 1 of 3 : UCIP_FA_2019_41406_71490.jpg



Gasline marker on WS slope..

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	14.38	Rating **	M	Issue No.	44 (cont)	
LM End	14.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.793318°	36.793318°	
				-120.302138°	-120.302138°	
DWR ID	24850					
Comment Code						
Inspector Comment						
DS_ID:24850						
FS_ID:41406						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/01/2014 No permit identified for this crossing.						
(DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: Natural gas pipeline of an unknown size or material through the levee, at an unknown depth. Gas line markers on both shoulders.						
FS Date: 4/1/2014						

Photo 2 of 3 : UCIP_FA_2019_41406_71489.jpg



Gasline marker on LS shoulder.

LM Start	14.38	Rating **	M	Issue No.	44 (cont)
LM End	14.38	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_41406_71488.jpg



Gasline markers visible along right side of photo.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	14.39	Rating **	M	Issue No.	45	
LM End	14.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.793195 °	36.793195 °	
				-120.302028 °	-120.302028 °	
DWR ID	19562					
Comment Code						
Inspector Comment						
DS_ID:19562 FS_ID:50067 EP_NO: 18568 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 7/20/2016 Marker visible on LS. WS marker missing. (DWR UCIP - omagana)4/01/2014 Need to contact owner to confirm and obtain status of crossing. Markers misleading--unable to confirm if markers correspond to this crossing. Need markers at levee. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: 30-inch coated steel natural gas pipeline through the levee, approximately 60 feet below the crown. Gas line markers are visible on the waterside (WS) and the landside (LS). (30-inch horizontal directional bore (HDD) authorized under Permit No. 18568, 2010 - Gill Ranch Storage, LLC). FS Date: 7/20/2016						

LM Start	14.39	Rating **	M	Issue No.	45 (cont)
LM End	14.39	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_50067_59742.jpg



Gasline marker and concrete sump off LS toe.

Photo 2 of 3 : UCIP_FA_2019_50067_59741.jpg



Gasline marker visible in channel off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	14.39	Rating **	M	Issue No.	45 (cont)	
LM End	14.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.793195°	36.793195°	
				-120.302028°	-120.302028°	
DWR ID	19562					
Comment Code						
Inspector Comment						
DS_ID:19562 FS_ID:50067 EP_NO: 18568 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 7/20/2016 Marker visible on LS. WS marker missing. (DWR UCIP - omagana)4/01/2014 Need to contact owner to confirm and obtain status of crossing. Markers misleading--unable to confirm if markers correspond to this crossing. Need markers at levee. (DWR UCIP - wwyllie) FIELD_STRUCT_DESC: 30-inch coated steel natural gas pipeline through the levee, approximately 60 feet below the crown. Gas line markers are visible on the waterside (WS) and the landside (LS). (30-inch horizontal directional bore (HDD) authorized under Permit No. 18568, 2010 - Gill Ranch Storage, LLC). FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_FA_2019_50067_75506.jpg



View of WS.

LM Start	14.69	Rating **	M	Issue No.	46
LM End	14.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.789066 °	36.789066 °
				-120.300644 °	-120.300644 °
DWR ID	19920				
Comment Code					
Inspector Comment					
DS_ID:19920 FS_ID:39535 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Heavy vegetation buildup at LS toe--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.69)]. FS Date: 4/1/2014					

Photo 1 of 3 : UCIP_FA_2019_39535_59745.jpg



Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	14.69	Rating **	M	Issue No.	46 (cont)	
LM End	14.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.789066 °		36.789066 °
				-120.300644 °		-120.300644 °
DWR ID	19920					
Comment Code						
Inspector Comment						
DS_ID:19920 FS_ID:39535 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Heavy vegetation buildup at LS toe-- recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.69)]. FS Date: 4/1/2014						

Photo 2 of 3 : UCIP_FA_2019_39535_59747.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	14.69	Rating **	M	Issue No.	46 (cont)
LM End	14.69	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39535_59746.jpg



Concrete headwall at channel on LS toe. Heavy vegetation buildup.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/30/2019 10/31/2019	Corey Fujitani

LM Start	14.89	Rating **	M	Issue No.	28
LM End	15.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.786568 °	36.776711 °
				-120.298694 °	-120.285610 °
DWR ID	DWR_NA0010_17_f_2019_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 18 Chowchilla Canal Bypass			Left	15.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/12/2019 - 4/12/2019		10/30/2019 - 11/1/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	10
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974134 °	36.968932 °
				-120.363267 °	-120.357464 °
DWR ID	DWR_NA0010_18_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_10_20191113_00022.jpg



Looking upstream along the waterside slope. (Fall 2019)

LM Start	0.00	Rating **	M	Issue No.	6
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974134 °	36.959808 °
				-120.363267 °	-120.355969 °
DWR ID	DWR_NA0010_18_f_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	M	Issue No.	12
LM End	1.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.968790 °	36.954851 °
				-120.357489 °	-120.352872 °
DWR ID	DWR_NA0010_18_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	55
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.964824 °	36.964824 °
				-120.358065 °	-120.358065 °
DWR ID	DWR_NA0010_18_f_2018_55				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_55_20190912_00009.jpg



View of rodent holes from levee toe looking towards centerline. (Fall 2018)

LM Start	1.15	Rating **	U	Issue No.	17
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.959808 °	36.957441 °
				-120.355969 °	-120.354472 °
DWR ID	DWR_NA0010_18_f_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_17_20191113_00023.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	1.37	Rating **	M	Issue No.	18
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.957007 °	36.954730 °
				-120.354204 °	-120.352794 °
DWR ID	DWR_NA0010_18_f_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	1.44	Rating **	M	Issue No.	7
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.956163 °	36.956163 °
				-120.353672 °	-120.353672 °
DWR ID	DWR_NA0010_18_f_2018_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes identified on landside slope and on the levee crown.					

Photo 1 of 1 : FA_2019_NA0010_137_7_20190912_00002.jpg



Looking at typical view of rodent holes within this section on landward slope.

LM Start	1.45	Rating **	M	Issue No.	70
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.955936 °	36.955936 °
				-120.353540 °	-120.353540 °
DWR ID	DWR_NA0010_18_s_2019_70				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

LM Start	1.65	Rating **	M	Issue No.	69
LM End	1.65	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.953301 °	36.953301 °
				-120.351921 °	-120.351921 °
DWR ID	DWR_NA0010_18_s_2019_69				
Comment Code					
RA : Ramp					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	1.68	Rating **	M	Issue No.	68
LM End	1.68	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.952946 °	36.952946 °
				-120.351706 °	-120.351706 °
DWR ID	DWR_NA0010_18_s_2019_68				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

LM Start	1.69	Rating **	M	Issue No.	71	
LM End	1.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.952821 °	36.952821 °	
				-120.351597 °	-120.351597 °	
DWR ID	19925					
Comment Code						
Inspector Comment						
DS_ID:19925 FS_ID:39503 EP_NO: 6603 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Need to contact owner. Appears abandoned--good candidate for video or pressure inspection. This crossings is the same age as the pipe that has failed immediately upstream. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 15-inch steel irrigation discharge pipe through the levee, 4.3 feet below the crown. Electrical conduit of an unknown size or material through the levee, 4.3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS berm. Inlet facility on the waterside (WS) bank consisting of a pump, a 42-inch concrete standpipe, and a 20-inch concrete channel with an intake pipe and a cutoff wall. (Plans to install a pump and outlet pipe at two locations on the left bank levee of the Chowchilla Bypass authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

Photo 1 of 3 : UCIP_FA_2019_39503_66660.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	1.69	Rating **	M	Issue No.	71 (cont)	
LM End	1.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.952821 °	36.952821 °	
				-120.351597 °	-120.351597 °	
DWR ID	19925					
Comment Code						
Inspector Comment						
DS_ID:19925 FS_ID:39503 EP_NO: 6603 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 Need to contact owner. Appears abandoned--good candidate for video or pressure inspection. This crossings is the same age as the pipe that has failed immediately upstream. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 15-inch steel irrigation discharge pipe through the levee, 4.3 feet below the crown. Electrical conduit of an unknown size or material through the levee, 4.3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS berm. Inlet facility on the waterside (WS) bank consisting of a pump, a 42-inch concrete standpipe, and a 20-inch concrete channel with an intake pipe and a cutoff wall. (Plans to install a pump and outlet pipe at two locations on the left bank levee of the Chowchilla Bypass authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

LM Start	1.69	Rating **	M	Issue No.	71 (cont)
LM End	1.69	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39503_66657.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2019_39503_66658.jpg



Pump system located on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	1.75	Rating **	U	Issue No.	32
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.952115 °	36.946441 °
				-120.351175 °	-120.347657 °
DWR ID	DWR_NA0010_18_f_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_32_20191113_00024.jpg



View of the vegetation along the landside slope and toe. (Fall 2019)

LM Start	1.75	Rating **	M	Issue No.	29
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.952115 °	36.925803 °
				-120.351175 °	-120.339714 °
DWR ID	DWR_NA0010_18_f_2019_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.80	Rating **	C	Issue No.	67
LM End	2.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.951402 °	36.936238 °
				-120.350728 °	-120.343553 °
DWR ID	DWR_NA0010_18_s_2019_67				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	2.19	Rating **	M	Issue No.	30
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.946353°	36.927348°
				-120.347605°	-120.340278°
DWR ID	DWR_NA0010_18_f_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.25	Rating **	M	Issue No.	72
LM End	2.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.945577°	36.945577°
				-120.347140°	-120.347140°
DWR ID	19926				
Comment Code					
Inspector Comment					
DS_ID:19926 FS_ID:49968 EP_NO: 6603 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 High burrow activity. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)4/10/2014 Subsidence present along pipe alignment on landward side. Modified crossing--worked done on landward side. Need to contact owner to determine permit authorizing work. Dense vegetation on landward side--tall grass. Pipe wall cut and new pipe sleeved on landward side. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 15-inch steel irrigation discharge pipe and electrical conduit through the levee, 3.7 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS berm. Inlet facility on the riverbank, consisting of a pump, a 42-inch concrete standpipe, and a 20-inch concrete channel with an intake pipe and a cutoff wall. (Plans to install a pump and outlet pipe at two locations on the left bank levee of the Chowchilla Bypass authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 7/20/2016					

Photo 1 of 3 : UCIP_FA_2019_49968_60558.jpg



Overview of LS--site modified.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	2.25	Rating **	M	Issue No.	72 (cont)	
LM End	2.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.945577°	36.945577°	
				-120.347140°	-120.347140°	
DWR ID	19926					
Comment Code						
Inspector Comment						
DS_ID:19926 FS_ID:49968 EP_NO: 6603 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 High burrow activity. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)4/10/2014 Subsidence present along pipe alignment on landward side. Modified crossing--worked done on landward side. Need to contact owner to determine permit authorizing work. Dense vegetation on landward side--tall grass. Pipe wall cut and new pipe sleeved on landward side. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 15-inch steel irrigation discharge pipe and electrical conduit through the levee, 3.7 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS berm. Inlet facility on the riverbank, consisting of a pump, a 42-inch concrete standpipe, and a 20-inch concrete channel with an intake pipe and a cutoff wall. (Plans to install a pump and outlet pipe at two locations on the left bank levee of the Chowchilla Bypass authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 7/20/2016						

Photo 2 of 3 : UCIP_FA_2019_49968_60559.jpg



View of levee crown at crossing.

LM Start	2.25	Rating **	M	Issue No.	72 (cont)
LM End	2.25	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_49968_60560.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	3.44	Rating **	U	Issue No.	31 (cont)	
LM End	3.44	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.929093 °		36.929093 °
				-120.340920 °		-120.340920 °
DWR ID	DWR_NA0010_18_f_2019_31					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : FA_2019_NA0010_137_31_20191113_00026.jpg



Representative view of rodent hole. (Fall 2019)

LM Start	3.48	Rating **	M	Issue No.	66
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.928542 °	36.928542 °
				-120.340732 °	-120.340732 °
DWR ID	DWR_NA0010_18_s_2019_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.57	Rating **	U	Issue No.	26
LM End	5.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.927285 °	36.903486 °
				-120.340257 °	-120.331570 °
DWR ID	DWR_NA0010_18_f_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_26_20191113_00034.jpg



View of the landside slope looking downstream. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	3.68	Rating **	U	Issue No.	28
LM End	5.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.925790 °	36.905609 °
				-120.339710 °	-120.332343 °
DWR ID	DWR_NA0010_18_f_2019_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_28_20191113_00033.jpg



View of the waterside slope looking downstream. (Fall 2019)

LM Start	4.69	Rating **	M	Issue No.	16
LM End	4.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.911613 °	36.911613 °
				-120.334542 °	-120.334542 °
DWR ID	DWR_NA0010_18_f_2017_16				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the landside slope and crown.					

No Photos

LM Start	5.13	Rating **	M	Issue No.	22
LM End	7.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.905609 °	36.875187 °
				-120.332343 °	-120.319948 °
DWR ID	DWR_NA0010_18_f_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Lower San Joaquin Levee District

No Photos

No Photos

No Photos

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Lower San Joaquin Levee District

No Photos

Looking west at the landside slope. (Fall 2017)

View of the landside slope looking downstream. (Fall 2019)

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Lower San Joaquin Levee District

No Photos

Representative view of rodent burrows observed at this location. (Fall 2019)

View of the waterside slope looking downstream. (Fall 2019)

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	7.39	Rating **	U	Issue No.	14
LM End	7.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.874479 °	36.872503 °
				-120.319831 °	-120.319438 °
DWR ID	DWR_NA0010_18_f_2017_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes noted along the landside slope in this area.					

Photo 1 of 1 : FA_2019_NA0010_137_14_20190912_00006.jpg



Looking south at the landside slope.

LM Start	7.54	Rating **	M	Issue No.	73	
LM End	7.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.872431 °	36.872431 °	
				-120.319415 °	-120.319415 °	
DWR ID	19930					
Comment Code						
Inspector Comment						
DS_ID:19930 FS_ID:36843 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 CMP crossing is distorted on waterward side. Debris scattered on landward side. Sediment deposit inside crossing visible from landward side. Recommend removing debris from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 42-inch reinforced concrete gravity irrigation pipe through the levee, 19 feet below the crown. Gate structure on the waterside (WS) shoulder. Pipe section on the WS is corrugated metal. Pipe section on the landside (LS) is reinforced concrete. (Plans to install a 42-inch gravity-flow concrete pipeline through the left bank levee of the Eastside Bypass to divert bypass waters for irrigation purposes authorized under Permit No. 13548, 1983 - New Stone Water District). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

Photo 1 of 3 : UCIP_FA_2019_36843_67202.jpg



Overview of levee crown at crossing--slide gate inside concrete box located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	7.54	Rating **	M	Issue No.	73 (cont)	
LM End	7.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.872431 °	36.872431 °	
				-120.319415 °	-120.319415 °	
DWR ID	19930					
Comment Code						
Inspector Comment						
DS_ID:19930 FS_ID:36843 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2014 CMP crossing is distorted on waterward side. Debris scattered on landward side. Sediment deposit inside crossing visible from landward side. Recommend removing debris from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 42-inch reinforced concrete gravity irrigation pipe through the levee, 19 feet below the crown. Gate structure on the waterside (WS) shoulder. Pipe section on the WS is corrugated metal. Pipe section on the landside (LS) is reinforced concrete. (Plans to install a 42-inch gravity-flow concrete pipeline through the left bank levee of the Eastside Bypass to divert bypass waters for irrigation purposes authorized under Permit No. 13548, 1983 - New Stone Water District). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014						

LM Start	7.54	Rating **	M	Issue No.	73 (cont)
LM End	7.54	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_36843_67205.jpg



Pipe section distorted on waterward side.

Photo 3 of 3 : UCIP_FA_2019_36843_67200.jpg



CMP section visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	7.91	Rating **	U	Issue No.	21
LM End	7.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.867030 °	36.867030 °
				-120.318361 °	-120.318361 °
DWR ID	DWR_NA0010_18_f_2019_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent burrows in the landside toe.					

Photo 1 of 1 : FA_2019_NA0010_137_21_20191113_00031.jpg



Several rodent burrows observed at the landside toe. (Fall 2019)

LM Start	8.67	Rating **	U	Issue No.	13
LM End	8.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.856115 °	36.856115 °
				-120.316595 °	-120.316595 °
DWR ID	DWR_NA0010_18_f_2017_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_13_20190912_00005.jpg



Looking south at the landside slope.

LM Start	9.05	Rating **	M	Issue No.	39
LM End	9.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.850679 °	36.844558 °
				-120.316343 °	-120.316094 °
DWR ID	DWR_NA0010_18_f_2019_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	9.05	Rating **	M	Issue No.	37
LM End	10.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.850678 °	36.835447 °
				-120.316343 °	-120.306825 °
DWR ID	DWR_NA0010_18_f_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.47	Rating **	U	Issue No.	38
LM End	10.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.844517 °	36.838416 °
				-120.316092 °	-120.310470 °
DWR ID	DWR_NA0010_18_f_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_137_38_20191113_00032.jpg



Looking downstream along the waterside slope. (Fall 2019)

LM Start	10.02	Rating **	M	Issue No.	33
LM End	13.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.838416 °	36.792954 °
				-120.310470 °	-120.305182 °
DWR ID	DWR_NA0010_18_f_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	10.94	Rating **	M	Issue No.	36
LM End	11.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.828390°	36.822132°	
			-120.300099°	-120.302286°	
DWR ID	DWR_NA0010_18_f_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.01	Rating **	M	Issue No.	27
LM End	12.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.813516°	36.812350°	
			-120.305860°	-120.306369°	
DWR ID	DWR_NA0010_18_f_2018_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes noted along this section.					

No Photos

LM Start	12.27	Rating **	M	Issue No.	35
LM End	12.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.809986°	36.808366°	
			-120.307441°	-120.308176°	
DWR ID	DWR_NA0010_18_f_2019_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	74
LM End	13.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.792684 °	36.792684 °
				-120.304542 °	-120.304542 °
DWR ID	19932				
Comment Code					
Inspector Comment					
DS_ID:19932					
FS_ID:39505					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/08/2014 Multiple markers visible along waterward and landward sides unable to confirm how many crossings go through levee. Need to contact owner to obtain additional details on crossings. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 6-inch natural gas pipeline of an unknown material through the levee. Pipeline extends underneath the channel. [Additional Reference(s): DWR Levee Log, 2002].					
FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_39505_67226.jpg



Markers visible on waterward side.

LM Start	13.59	Rating **	M	Issue No.	74 (cont)
LM End	13.59	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39505_67225.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	74 (cont)
LM End	13.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.792684 °	36.792684 °
				-120.304542 °	-120.304542 °
DWR ID	19932				
Comment Code					
Inspector Comment					
DS_ID:19932 FS_ID:39505 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/08/2014 Multiple markers visible along waterward and landward sides unable to confirm how many crossings go through levee. Need to contact owner to obtain additional details on crossings. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 6-inch natural gas pipeline of an unknown material through the levee. Pipeline extends underneath the channel. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014					

Photo 3 of 3 : UCIP_FA_2019_39505_67224.jpg



Ramp visible on landward side.

LM Start	13.72	Rating **	M	Issue No.	34
LM End	13.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.791020 °	36.789100 °
				-120.303548 °	-120.302955 °
DWR ID	DWR_NA0010_18_f_2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/30/2019 11/01/2019	Corey Fujitani

LM Start	14.18	Rating **	M	Issue No.	11
LM End	14.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		36.785107°	36.785107°	
			-120.300107°	-120.300107°	
DWR ID	DWR_NA0010_18_f_2018_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 22A East Side Canal			Left	5.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/28/2019 - 3/28/2019		10/25/2019 - 10/25/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	0.09	Rating **	M	Issue No.	25
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.206827 °	37.214360 °
				-120.696241 °	-120.698148 °
DWR ID	DWR_NA0010_22A_f _ 2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.10	Rating **	M	Issue No.	260	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.207039 °		37.207039 °
				-120.696255 °		-120.696255 °
DWR ID	19933					
Comment Code						
Inspector Comment						
DS_ID:19933						
FS_ID:49959						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 07/19/2016 Gate inside riser appears operable--riser lid damage. Crossing is not visible on LS due to dense vegetation.						
Recommend clearing dense vegetation along WS and LS slope and repairing riser cover. (DWR UCIP - omagana)04/15/2014 No actuator wheel on slide gate at WS shoulder. (DWR UCIP - wwylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope.						
Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.10)].						
FS Date: 7/19/2016						

Photo 1 of 3 : UCIP_FA_2019_49959_61060.jpg



PVC pipes sticking up out of channel likely indicate pipe location on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	260 (cont)	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.207039 °	37.207039 °	
				-120.696255 °	-120.696255 °	
DWR ID	19933					
Comment Code						
Inspector Comment						
DS_ID:19933 FS_ID:49959 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/19/2016 Gate inside riser appears operable--riser lid damage. Crossing is not visible on LS due to dense vegetation. Recommend clearing dense vegetation along WS and LS slope and repairing riser cover. (DWR UCIP - omagana)04/15/2014 No actuator wheel on slide gate at WS shoulder. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.10)]. FS Date: 7/19/2016						

LM Start	0.10	Rating **	M	Issue No.	260 (cont)
LM End	0.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_49959_61061.jpg



Concrete headwall at toe of LS slope.

Photo 3 of 3 : UCIP_FA_2019_49959_61059.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	20
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.218291 °	37.242146 °
				-120.697551 °	-120.706281 °
DWR ID	DWR_NA0010_22A_f _ 2019_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.04	Rating **	M	Issue No.	42
LM End	1.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.220281 °	37.220281 °
				-120.698287 °	-120.698287 °
DWR ID	NA0010U22RM5.47				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM5.47					
08/28/2019: Two erosion pockets were found at the site, close to levee shoulder, and likely caused by animal activities.					

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_f_2018_22_1.JPG



Looking down at the erosion pocket.

LM Start	1.04	Rating **	M	Issue No.	42 (cont)
LM End	1.04	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_f_2018_22_2.JPG



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	1.04	Rating **	M	Issue No.	42 (cont)	
LM End	1.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.220281 °	37.220281 °	
				-120.698287 °	-120.698287 °	
DWR ID	NA0010U22RM5.47					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM5.47						
08/28/2019: Two erosion pockets were found at the site, close to levee shoulder, and likely caused by animal activities.						

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_22_3.JPG



Close-up view of the erosion.

LM Start	1.04	Rating **	M	Issue No.	22
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.220281 °	37.220281 °
				-120.698287 °	-120.698287 °
DWR ID	DWR_NA0010_22A_f_2018_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Depressions are noted on waterside slope.					

Photo 1 of 1 : FA_2019_NA0010_138_22_20190912_00016.jpg



View of depression on waterside slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	1.57	Rating **	M	Issue No.	261	
LM End	1.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.227588 °	37.227588 °	
				-120.700945 °	-120.700945 °	
DWR ID	19936					
Comment Code						
Inspector Comment						
DS_ID:19936 FS_ID:33733 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Slide gate rusted and does not function. Headwall burried at LS toe. Pipe appears abandoned and if so should be done so properly. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 8-inch corrugated metal gravity irrigation pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.57)]. FS Date: 4/15/2014						

LM Start	1.57	Rating **	M	Issue No.	261 (cont)
LM End	1.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_33733_61030.jpg



Pipe and CMP riser with slide gate visible on WS slope.

Photo 2 of 3 : UCIP_FA_2019_33733_61029.jpg



Inside CMP riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	1.57	Rating **	M	Issue No.	261 (cont)	
LM End	1.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.227588 °		37.227588 °
				-120.700945 °		-120.700945 °
DWR ID	19936					
Comment Code						
Inspector Comment						
DS_ID:19936 FS_ID:33733 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Slide gate rusted and does not function. Headwall burried at LS toe. Pipe appears abandoned and if so should be done so properly. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 8-inch corrugated metal gravity irrigation pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.57)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP_FA_2019_33733_61028.jpg



Buried concrete headwall on LS toe.

LM Start	1.73	Rating **	M	Issue No.	16
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.229779 °	37.229779 °
				-120.701797 °	-120.701797 °
DWR ID	DWR_NA0010_22A_s_2018_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted here.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	1.75	Rating **	M	Issue No.	28
LM End	2.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.230585 °	37.242371 °
				-120.702045 °	-120.706371 °
DWR ID	DWR_NA0010_22A_f_2018_28				
Comment Code					
FE : Fence					
Inspector Comment					
A fence is located along the landside toe.					

Photo 1 of 1 : FA_2019_NA0010_138_28_20190912_00018.jpg



View of fence along landside toe. (Fall 2018)

LM Start	1.77	Rating **	M	Issue No.	27
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.230436 °	37.230436 °
				-120.701992 °	-120.701992 °
DWR ID	DWR_NA0010_22A_f _ 2018_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.20	Rating **	M	Issue No.	29	
LM End	2.37	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.236392 °		37.238776 °
				-120.704165 °		-120.705028 °
DWR ID	DWR_NA0010_22A_f_2018_29					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
There is slope erosion from livestock, the slope is no longer 3:1. Monitor site.						

Photo 1 of 2 : FA_2019_NA0010_138_29_20190912_00019.jpg



View of waterside slope from levee crown. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.20	Rating **	M	Issue No.	29 (cont)	
LM End	2.37	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.236392°	37.238776°	
				-120.704165°	-120.705028°	
DWR ID	DWR_NA0010_22A_f_2018_29					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
There is slope erosion from livestock, the slope is no longer 3:1. Monitor site.						

Photo 2 of 2 : FA_2019_NA0010_138_29_20190912_00020.jpg



Looking downstream along waterside slope. (Fall 2018)

LM Start	2.65	Rating **	U	Issue No.	41
LM End	2.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.242595 °	37.242595 °
				-120.706470 °	-120.706470 °
DWR ID	NA0010U22RM3.87				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.87					
09/12/2019: The erosion has cut into the levee prism and damaged almost half of the levee. The livestock traffic has likely caused the erosion.					

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_s_2017_7_3.JPG



Looking down at the erosion pocket.

LM Start	2.65	Rating **	U	Issue No.	41 (cont)
LM End	2.66	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_s_2017_7_4.JPG



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.65	Rating **	U	Issue No.	41 (cont)	
LM End	2.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.242595 °	37.242595 °	
				-120.706470 °	-120.706470 °	
DWR ID	NA0010U22RM3.87					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM3.87						
09/12/2019: The erosion has cut into the levee prism and damaged almost half of the levee. The livestock traffic has likely caused the erosion.						

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_s_2017_7_2.JPG



Close-up view of the erosion.

LM Start	2.65	Rating **	U	Issue No.	7
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.242595 °	37.242595 °
				-120.706470 °	-120.706470 °
DWR ID	DWR_NA0010_22A_s_2017_7				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the crown.					

Photo 1 of 3 : FA_2019_NA0010_138_7_20190912_00005.jpg



Looking downstream at erosion on waterside slope and shoulder. (Fall 2018)

LM Start	2.65	Rating **	U	Issue No.	7 (cont)
LM End	2.65	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_NA0010_138_7_20190912_00006.jpg



Looking northwest at the waterside shoulder. (Fall 2017)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.65	Rating **	U	Issue No.	7 (cont)	
LM End	2.65	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.242595°	37.242595°	
				-120.706470°	-120.706470°	
DWR ID	DWR_NA0010_22A_s_2017_7					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion is cutting into the crown.						

Photo 3 of 3 : FA_2019_NA0010_138_7_20190912_00007.jpg



Looking downstream at erosion on waterward shoulder and slope.

LM Start	2.71	Rating **	M	Issue No.	262
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.243501°	37.243501°
				-120.706773°	-120.706773°
DWR ID	19937				
Comment Code					
Inspector Comment					
DS_ID:19937 FS_ID:33732 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Slide gate does not function and should be repaired. Headwall at LS toe not found. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation siphon pipe through the levee, 7.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.72)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_33732_61026.jpg



Slidegate in CMP riser on WS shoulder. (Note: actuator does not work).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.71	Rating **	M	Issue No.	262 (cont)	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.243501°	37.243501°	
				-120.706773°	-120.706773°	
DWR ID	19937					
Comment Code						
Inspector Comment						
DS_ID:19937						
FS_ID:33732						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Slide gate does not function and should be repaired. Headwall at LS toe not found. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation siphon pipe through the levee, 7.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope.						
Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.72)].						
FS Date: 4/15/2014						

LM Start	2.71	Rating **	M	Issue No.	262 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_33732_61024.jpg



Inside CMP riser on WS shoulder.

Photo 3 of 3 : UCIP_FA_2019_33732_61025.jpg



Pipe visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.73	Rating **	U	Issue No.	17
LM End	3.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.243673 °	37.251167 °
				-120.706843 °	-120.715135 °
DWR ID	DWR_NA0010_22A_f _ 2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_138_17_20191114_00043.jpg



View of vegetation along the landside slope and toe. (Fall 2019)

LM Start	2.82	Rating **	U	Issue No.	40
LM End	2.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.244940 °	37.244940 °
				-120.707467 °	-120.707467 °
DWR ID	NA0010U22RM3.7				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.7					
09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.					

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_f_2018_30_1.jpg



Looking down at the erosion pocket.

LM Start	2.82	Rating **	U	Issue No.	40 (cont)
LM End	2.83	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_f_2018_30_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.82	Rating **	U	Issue No.	40 (cont)	
LM End	2.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.244940 °	37.244940 °	
				-120.707467 °	-120.707467 °	
DWR ID	NA0010U22RM3.7					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM3.7						
09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.						

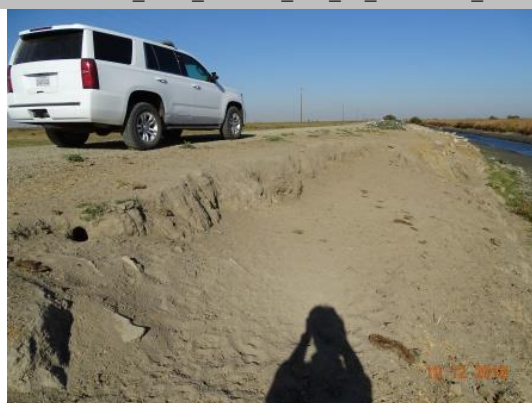
Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_30_3.JPG



Close-up view of the erosion.

LM Start	2.82	Rating **	U	Issue No.	30
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.244940 °	37.245050 °
				-120.707467 °	-120.707567 °
DWR ID	DWR_NA0010_22A_f _ 2018_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the waterside bank.					

Photo 1 of 2 : FA_2019_NA0010_138_30_20190912_00021.jpg



View of erosion in waterside slope. (Fall 2018)

LM Start	2.82	Rating **	U	Issue No.	30 (cont)
LM End	2.83	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0010_138_30_20190912_00022.jpg



View along waterside slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.87	Rating **	U	Issue No.	39	
LM End	2.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.245536 °	37.245536 °	
				-120.708119 °	-120.708119 °	
DWR ID	NA0010U22RM3.65					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM3.65						
09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.						

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_f_2018_31_3.jpg



Looking down at the erosion pocket.

LM Start	2.87	Rating **	U	Issue No.	39 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_f_2018_31_4.jpg



Close view of the erosion.

LM Start	2.87	Rating **	U	Issue No.	39 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_31_6.JPG



Close-up view of the erosion.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.87	Rating **	U	Issue No.	31
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.245536°	37.245536°
				-120.708119°	-120.708119°
DWR ID	DWR_NA0010_22A_f_2018_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the waterside shoulder.					

Photo 1 of 1 : FA_2019_NA0010_138_31_20190912_00023.jpg



View of waterside slope looking downstream. (Fall 2018)

LM Start	2.96	Rating **	U	Issue No.	38	
LM End	2.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.246408 °	37.246408 °	
				-120.709197 °	-120.709197 °	
DWR ID	NA0010U22RM3.56					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM3.56						
09/12/2019: The erosion has damaged entire levee slope. The livestock activity likely has caused the erosion.						

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_f_2018_32_6.jpg



Looking down at the erosion pocket.

LM Start	2.96	Rating **	U	Issue No.	38 (cont)
LM End	2.97	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_f_2018_32_2.jpg



Close-up view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	2.96	Rating **	U	Issue No.	38 (cont)	
LM End	2.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.246408 °	37.246408 °	
				-120.709197 °	-120.709197 °	
DWR ID	NA0010U22RM3.56					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM3.56						
09/12/2019: The erosion has damaged entire levee slope. The livestock activity likely has caused the erosion.						

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_32_4.JPG



Close-up view of the erosion.

LM Start	2.96	Rating **	U	Issue No.	32
LM End	2.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.246408 °	37.246408 °
				-120.709197 °	-120.709197 °
DWR ID	DWR_NA0010_22A_f _ 2018_32				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the waterside slope.					

Photo 1 of 1 : FA_2019_NA0010_138_32_20190912_00024.jpg



View of waterside slope erosion. (Fall 2018)

LM Start	3.00	Rating **	M	Issue No.	18
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.246780 °	37.249689 °
				-120.709676 °	-120.713292 °
DWR ID	DWR_NA0010_22A_f_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	3.14	Rating **	U	Issue No.	36	
LM End	3.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.248257°	37.248257°	
				-120.711547°	-120.711547°	
DWR ID	NA0010U22RM3.38					
Comment Code						
Inspector Comment						
Site ID: NA0010U22RM3.38						
09/12/2019: The erosion has damaged the entire levee slope. Livestock activity likely has caused the erosion.						

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_f_2018_33_6.JPG



Looking down at the erosion pocket.

LM Start	3.14	Rating **	U	Issue No.	36 (cont)
LM End	3.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_f_2018_33_2.JPG



Close-up view of the erosion. Note the willow tree near the site.

LM Start	3.14	Rating **	U	Issue No.	36 (cont)
LM End	3.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_33_5.JPG



Close-up view of the erosion.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Lower San Joaquin Levee District

View of erosion on slope looking from waterside toe. (Fall 2018)

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	35
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.251621°	37.251621°
				-120.715649°	-120.715649°
DWR ID	DWR_NA0010_22A_f_2018_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside slope erosion is from livestock activity.					

Photo 1 of 1 : FA_2019_NA0010_138_35_20190912_00027.jpg



Erosion in waterside slope from livestock. (Fall 2018)

LM Start	3.64	Rating **	U	Issue No.	9
LM End	3.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.253362 °	37.253862 °
				-120.717873 °	-120.718507 °
DWR ID	DWR_NA0010_22A_f _ 2016_9				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Several erosion or levee damage sites caused by animal traffic are within this section.					

Photo 1 of 2 : FA_2019_NA0010_138_9_20190912_00012.jpg



Looking southeast at the waterside slope.

LM Start	3.64	Rating **	U	Issue No.	9 (cont)
LM End	3.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0010_138_9_20190912_00013.jpg



Looking downstream at animal erosion on waterward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Lower San Joaquin Levee District

No Photos

Photo 1 of 1 : FA_2019_NA0010_138_259_20190912_00029.jpg



Looking east at dead stump on waterward slope.

Photo 1 of 1 : FA_2019_NA0010_138_13_20190912_00014.jpg



Looking northeast at the waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	3.82	Rating **	M	Issue No.	14
LM End	3.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.255239 °	37.255239 °
				-120.720142 °	-120.720142 °
DWR ID	DWR_NA0010_22A_f _ 2017_14				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_138_14_20190912_00015.jpg



Looking northeast at the waterside slope. (Fall 2017)

LM Start	4.06	Rating **	M	Issue No.	12
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257841 °	37.264176 °
				-120.723230 °	-120.731141 °
DWR ID	DWR_NA0010_22A_f _ 2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.11	Rating **	M	Issue No.	15
LM End	4.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.258353 °	37.258353 °
				-120.723824 °	-120.723824 °
DWR ID	DWR_NA0010_22A_f_2019_15				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_138_15_20191114_00045.jpg



View of erosion in the landside slope and shoulder from livestock traffic. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	4.26	Rating **	U	Issue No.	26
LM End	4.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.260111 °	37.260111 °
				-120.725900 °	-120.725900 °
DWR ID	NA0010U22RM2.25				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM2.25					
09/12/2019: Erosion has developed into the lower levee slope. Loose material was observed at the site.					

LM Start	4.26	Rating **	U	Issue No.	26 (cont)
LM End	4.30	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_DWR_NA0010_22A_f_ 2018_37_1.JPG



Looking down at the erosion pocket.

Photo 2 of 3 : SJR2019_DWR_NA0010_22A_f_ 2018_37_3.JPG



Close-up view of the erosion.

LM Start	4.26	Rating **	U	Issue No.	26 (cont)
LM End	4.30	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_ 2018_37_4.JPG



Close-up view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	4.28	Rating **	U	Issue No.	37
LM End	5.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.260111 °	37.268135 °
				-120.725900 °	-120.737130 °
DWR ID	DWR_NA0010_22A_f _ 2018_37				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the waterside slope.					

Photo 1 of 1 : FA_2019_NA0010_138_37_20190912_00028.jpg



View of waterside slope looking downstream. (Fall 2018)

LM Start	4.87	Rating **	A/W	Issue No.	8
LM End	4.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.265813 °	37.265813 °
				-120.733748 °	-120.733748 °
DWR ID	DWR_NA0010_22A_f _ 2016_8				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Levee damage caused by animal traffic. Several sites repaired with broken concrete.					

Photo 1 of 4 : FA_2019_NA0010_138_8_20190912_00008.jpg



Looking downstream at repaired site with concrete rubble on waterward slope and shoulder. (Spring 2018)

LM Start	4.87	Rating **	A/W	Issue No.	8 (cont)
LM End	4.87	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2019_NA0010_138_8_20190912_00009.jpg



Looking downstream at animal erosion on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Lower San Joaquin Levee District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	5.05	Rating **	M	Issue No.	4 (cont)	
LM End	5.05	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.267516 °	37.267516 °	
				-120.736401 °	-120.736401 °	
DWR ID	DWR_NA0010_22A_f _ 2013_4					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion caused by animal traffic.						

Photo 2 of 2 : FA_2019_NA0010_138_4_20190912_00002.jpg



Looking southeast at livestock erosion on waterward toe.

LM Start	5.12	Rating **	M	Issue No.	6
LM End	5.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.268236 °	37.271204 °
				-120.737210 °	-120.740585 °
DWR ID	DWR_NA0010_22A_s_2012_6				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage is caused by livestock on waterside toe.					

Photo 1 of 2 : FA_2019_NA0010_138_6_20190912_00003.jpg



Looking southeast at livestock erosion on waterward toe.

LM Start	5.12	Rating **	M	Issue No.	6 (cont)
LM End	5.40	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0010_138_6_20190912_00004.jpg



Looking northwest at livestock erosion along waterside slope and toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	5.18	Rating **	M	Issue No.	10
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.268924 °	37.272176 °
				-120.738008 °	-120.741678 °
DWR ID	DWR_NA0010_22A_f _ 2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.48	Rating **	M	Issue No.	263
LM End	5.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.272079 °	37.272079 °
				-120.741575 °	-120.741575 °
DWR ID	19938				
Comment Code					
Inspector Comment					
DS_ID:19938 FS_ID:39536 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Need to contact owner. Pipe silted in on LS toe. Appears abandoned and if so should be done so properly. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation siphon pipe through the levee, 10 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. WS end capped with a 0.25-inch steel plate. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.48)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_39536_61022.jpg



Slidegate inside riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/25/2019 10/25/2019	Corey Fujitani

LM Start	5.48	Rating **	M	Issue No.	263 (cont)	
LM End	5.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.272079 °	37.272079 °	
				-120.741575 °	-120.741575 °	
DWR ID	19938					
Comment Code						
Inspector Comment						
DS_ID:19938						
FS_ID:39536						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Need to contact owner. Pipe silted in on						
LS toe. Appears abandoned and if so should be done so properly.						
(DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation siphon pipe						
through the levee, 10 feet below the crown. Slide gate in a 60-inch						
corrugated metal pipe (CMP) riser on the waterside (WS) slope.						
Concrete headwall on the landside (LS) end. WS end capped with a						
0.25-inch steel plate. [Additional Reference(s): DWR Levee Log, 2002.						
USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.48)].						
FS Date: 4/15/2014						

LM Start	5.48	Rating **	M	Issue No.	263 (cont)
LM End	5.48	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39536_61021.jpg



Inside riser on WS shoulder.

Photo 3 of 3 : UCIP_FA_2019_39536_61020.jpg



Buried headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 23 San Joaquin River			Right	10.24
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/11/2019 - 4/11/2019		10/31/2019 - 10/31/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	24
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774221°	36.772420°
				-120.283464°	-120.253792°
DWR ID	DWR_NA0010_23_f_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	M	Issue No.	66
LM End	0.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.772713 °	36.772713 °
				-120.280670 °	-120.280670 °
DWR ID	19945				
Comment Code					
Inspector Comment					
DS_ID:19945 FS_ID:39537 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Excessive vegetation at inlet--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.21)]. FS Date: 4/3/2014					

Photo 1 of 3 : UCIP_FA_2019_39537_59860.jpg



Concrete headwall on WS toe at channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	0.21	Rating **	M	Issue No.	66 (cont)	
LM End	0.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.772713 °	36.772713 °	
				-120.280670 °	-120.280670 °	
DWR ID	19945					
Comment Code						
Inspector Comment						
DS_ID:19945 FS_ID:39537 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Excessive vegetation at inlet--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.21)]. FS Date: 4/3/2014						

LM Start	0.21	Rating **	M	Issue No.	66 (cont)
LM End	0.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39537_59859.jpg



Flapgate on Concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2019_39537_59861.jpg



Concrete headwall at LS toe. Excess vegetation buildup at inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	0.21	Rating **	A/W	Issue No.	20
LM End	0.73	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			36.772690°	36.774700°
				-120.280550°	-120.272720°
DWR ID	219-100				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:23					
Site Designation:219-100					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	0.37	Rating **	M	Issue No.	27
LM End	0.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772151°	36.774760°
				-120.277800°	-120.274000°
DWR ID	DWR_NA0010_23_f_2019_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	0.39	Rating **	M	Issue No.	29
LM End	0.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.772233 °	36.772233 °
				-120.277532 °	-120.277532 °
DWR ID	DWR_NA0010_23_f_2019_29				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_139_29_20191114_00039.jpg



View of depression in the levee crown. (Fall 2019)

LM Start	1.09	Rating **	U	Issue No.	26
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.772743 °	36.772743 °
				-120.266800 °	-120.266800 °
DWR ID	DWR_NA0010_23_f_2017_26				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Need to repair the large rodent hole on the landside slope.					

Photo 1 of 1 : FA_2019_NA0010_139_26_20190912_00005.jpg



Looking at the landside slope.

LM Start	1.21	Rating **	M	Issue No.	6
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772973 °	36.772973 °
				-120.264768 °	-120.264768 °
DWR ID	DWR_NA0010_23_s_2013_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry bush on landside toe.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	1.52	Rating **	M	Issue No.	28
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.772066 °	36.772066 °
				-120.259545 °	-120.259545 °
DWR ID	DWR_NA0010_23_f_2017_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are downed tree limbs on the landside slope.					

Photo 1 of 1 : FA_2019_NA0010_139_28_20190912_00006.jpg



Looking north at landside slope.

LM Start	1.63	Rating **	M	Issue No.	67
LM End	1.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.771408 °	36.771408 °
				-120.257899 °	-120.257899 °
DWR ID	19948				
Comment Code					
Inspector Comment					
DS_ID:19948					
FS_ID:39538					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/03/2014 Appears abandoned and if so should be done properly. Discharge channel is blocked by sand and soil making drain ineffective. Soil buildup at inlet on LS toe. Need to contact owner. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002].					
FS Date: 4/3/2014					

Photo 1 of 3 : UCIP_FA_2019_39538_59855.jpg



Concrete headwall on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	En : Enforcement
	N : Not Inspected/Rated	
	C : Corrected	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	1.63	Rating **	M	Issue No.	67 (cont)	
LM End	1.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			36.771408 °		36.771408 °
				-120.257899 °		-120.257899 °
DWR ID	19948					
Comment Code						
Inspector Comment						
DS_ID:19948						
FS_ID:39538						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2014 Appears abandoned and if so should be done properly. Discharge channel is blocked by sand and soil making drain ineffective. Soil buildup at inlet on LS toe. Need to contact owner. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 4/3/2014						

Photo 2 of 3 : UCIP_FA_2019_39538_59857.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	1.63	Rating **	M	Issue No.	67 (cont)
LM End	1.63	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_39538_59856.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	1.66	Rating **	M	Issue No.	30
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.771426°	36.772013°	
			-120.257294°	-120.254269°	
DWR ID	DWR_NA0010_23_f_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.87	Rating **	M	Issue No.	22
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		36.772373°	36.772373°	
			-120.253843°	-120.253843°	
DWR ID	DWR_NA0010_23_f_2016_22				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.91	Rating **	U	Issue No.	1
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		36.772943°	36.772943°	
			-120.253511°	-120.253511°	
DWR ID	DWR_NA0010_23_s_2015_1				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree on the waterside slope.					

Photo 1 of 2 : FA_2019_NA0010_139_1_20191114_00040.jpg



View of fallen tree on the waterside slope. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	1.91	Rating **	U	Issue No.	1 (cont)	
LM End	1.91	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.772943 °	36.772943 °	
				-120.253511 °	-120.253511 °	
DWR ID	DWR_NA0010_23_s_2015_1					
Comment Code						
TR : Tree or limb						
Inspector Comment						
There is a downed tree on the waterside slope.						

Photo 2 of 2 : FA_2019_NA0010_139_1_20190912_00001.jpg



Looking east at waterside slope.

LM Start	1.92	Rating **	M	Issue No.	44
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.773000 °	36.773000 °
				-120.253472 °	-120.253472 °
DWR ID	DWR_NA0010_23_f_2018_44				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	1.93	Rating **	A/W	Issue No.	21
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			36.773160 °	°
				-120.253390 °	°
DWR ID	219-FOC-6				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:24					
Site Designation:219-FOC-6					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	2.03	Rating **	M	Issue No.	33
LM End	7.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774491 °	36.780688 °
				-120.252807 °	-120.187262 °
DWR ID	DWR_NA0010_23_f_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	2.12	Rating **	M	Issue No.	16
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.775507 °	36.775507 °
				-120.251670 °	-120.251672 °
DWR ID	DWR_NA0010_23_s_2013_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is caused by vehicle traffic.					

Photo 1 of 1 : FA_2019_NA0010_139_16_20190912_00003.jpg



Looking west at one of several damaged slopes cause by vehicle traffic.

LM Start	2.21	Rating **	C	Issue No.	35
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.775689 °	36.775689 °
				-120.250161 °	-120.250161 °
DWR ID	DWR_NA0010_23_s_2018_35				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.22	Rating **	M	Issue No.	39
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.775676 °	36.785175 °
				-120.249906 °	-120.222169 °
DWR ID	DWR_NA0010_23_f_2019_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	2.37	Rating **	C	Issue No.	36
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.774998°	36.774998°
				-120.247486°	-120.247486°
DWR ID	DWR_NA0010_23_s_2018_36				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	M	Issue No.	37
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.774528°	36.774528°
				-120.247068°	-120.247068°
DWR ID	DWR_NA0010_23_s_2018_37				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.47	Rating **	C	Issue No.	38
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.773739°	36.773739°
				-120.246614°	-120.246614°
DWR ID	DWR_NA0010_23_s_2018_38				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	2.48	Rating **	C	Issue No.	31
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		36.773596°	36.773596°	
			-120.246523°	-120.246523°	
DWR ID	DWR_NA0010_23_f_2017_31				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.67	Rating **	M	Issue No.	40
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		36.771836°	36.771836°	
			-120.244117°	-120.244117°	
DWR ID	DWR_NA0010_23_f_2019_40				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.85	Rating **	U	Issue No.	15
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.771537°	36.771537°	
			-120.240917°	-120.240917°	
DWR ID	DWR_NA0010_23_s_2012_15				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry bush on landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	3.30	Rating **	U	Issue No.	3
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774403 °	36.774403 °
				-120.234705 °	-120.234705 °
DWR ID	DWR_NA0010_23_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on landside toe.					

No Photos

LM Start	3.45	Rating **	M	Issue No.	9
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.776537°	36.776537°
				-120.234573°	-120.234573°
DWR ID	DWR_NA0010_23_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on landside toe and berm.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	3.64	Rating **	A/W	Issue No.	23
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			36.779340 °	°
				-120.234460 °	°
DWR ID	219-FOC-7				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:25					
Site Designation:219-FOC-7					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	4.13	Rating **	M	Issue No.	34
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.784217 °	36.784217 °
				-120.228876 °	-120.228876 °
DWR ID	DWR_NA0010_23_s_2018_34				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	4.13	Rating **	U	Issue No.	10
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784212 °	36.784212 °
				-120.228815 °	-120.228815 °
DWR ID	DWR_NA0010_23_s_2012_10				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on the landside toe.					

No Photos

LM Start	4.45	Rating **	M	Issue No.	11
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784523 °	36.784523 °
				-120.223292 °	-120.223292 °
DWR ID	DWR_NA0010_23_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on the landside toe and berm.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	4.71	Rating **	M	Issue No.	68	
LM End	4.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			36.787713 °		36.787713 °
				-120.221399 °		-120.221399 °
DWR ID	19952					
Comment Code						
Inspector Comment						
DS_ID:19952 FS_ID:41827 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 04/03/2014 Verify abandonment with gas company. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 4-inch natural gas pipeline of an unknown material through the levee, 6 feet below the crown. Gas line gaging area and compressor station in the channel, 50 feet from the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/3/2014						

No Photos

LM Start	4.73	Rating **	M	Issue No.	41
LM End	7.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.788006 °	36.780604 °
				-120.221322 °	-120.187340 °
DWR ID	DWR_NA0010_23_f_2019_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	4.85	Rating **	M	Issue No.	62
LM End	4.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.789489°	36.789489°
				-120.220403°	-120.220403°
DWR ID	DWR_NA0010_23_s_2019_62				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0010_139_62_20190912_00010.jpg



View of damage to landside slope by vehicle traffic looking downstream. (Spring 2019)

LM Start	4.85	Rating **	M	Issue No.	62 (cont)
LM End	4.85	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0010_139_62_20190912_00011.jpg



View of damage to slope looking upstream. (Spring 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	4.85	Rating **	M	Issue No.	69	
LM End	4.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			36.789550 °		36.789550 °
				-120.220367 °		-120.220367 °
DWR ID	19953					
Comment Code						
Inspector Comment						
DS_ID:19953 FS_ID:39540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Heavy vegetation at inlet and outlet--recommend clearing. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity irrigation culvert through the levee, 10.7 feet below the crown. 4.5-foot by 7-foot concrete riser with slide gate on the waterside (WS) slope. Concrete U-shaped headwall on each end. 15-foot-long cobble revetted inlet channel. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/3/2014						

Photo 1 of 3 : UCIP_FA_2019_39540_59848.jpg



Slide gate in concrete riser on WS shoulder.

LM Start	4.85	Rating **	M	Issue No.	69 (cont)
LM End	4.85	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_39540_59847.jpg



Heavy vegetation in outlet/channel on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	4.85	Rating **	M	Issue No.	69 (cont)	
LM End	4.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.789550 °	36.789550 °	
				-120.220367 °	-120.220367 °	
DWR ID	19953					
Comment Code						
Inspector Comment						
DS_ID:19953						
FS_ID:39540						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2014 Heavy vegetation at inlet and outlet--recommend clearing. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity irrigation culvert through the levee, 10.7 feet below the crown. 4.5-foot by 7-foot concrete riser with slide gate on the waterside (WS) slope. Concrete U-shaped headwall on each end. 15-foot-long cobble revetted inlet channel. [Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 4/3/2014						

Photo 3 of 3 : UCIP_FA_2019_39540_59849.jpg



Heavy vegetation at concrete inlet on LS toe.

LM Start	5.68	Rating **	U	Issue No.	5
LM End	5.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.791981°	36.791981°
				-120.206274°	-120.206274°
DWR ID	DWR_NA0010_23_s_2012_5				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several large rodent holes in this area.					

Photo 1 of 1 : FA_2019_NA0010_139_5_20190912_00002.jpg



Looking at several rodent holes on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	5.68	Rating **	M	Issue No.	70
LM End	5.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.791936 °	36.791936 °
				-120.206226 °	-120.206226 °
DWR ID	19954				
Comment Code					
Inspector Comment					
DS_ID:19954 FS_ID:39542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch by 36-inch square reinforced concrete box gravity drainage culvert through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. 5-foot-long cobble revetted outlet channel. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.71)]. FS Date: 4/3/2014					

Photo 1 of 3 : UCIP_FA_2019_39542_59830.jpg



Concrete headwall on WS toe.

LM Start	5.68	Rating **	M	Issue No.	70 (cont)
LM End	5.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39542_59829.jpg



Flapgate on Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	5.68	Rating **	M	Issue No.	70 (cont)	
LM End	5.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.791936 °	36.791936 °	
				-120.206226 °	-120.206226 °	
DWR ID	19954					
Comment Code						
Inspector Comment						
DS_ID:19954 FS_ID:39542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch by 36-inch square reinforced concrete box gravity drainage culvert through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. 5-foot-long cobble revetted outlet channel. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.71)]. FS Date: 4/3/2014						

Photo 3 of 3 : UCIP_FA_2019_39542_59831.jpg



Concrete headwall at LS toe.

LM Start	7.06	Rating **	M	Issue No.	71	
LM End	7.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			36.778783 °	36.778783 °	
				-120.192447 °	-120.192447 °	
DWR ID	19939					
Comment Code						
Inspector Comment						
DS_ID:19939 FS_ID:39543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/3/2014						

Photo 1 of 3 : UCIP_FA_2019_39543_59826.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	7.06	Rating **	M	Issue No.	71 (cont)	
LM End	7.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			36.778783 °		36.778783 °
				-120.192447 °		-120.192447 °
DWR ID	19939					
Comment Code						
Inspector Comment						
DS_ID:19939						
FS_ID:39543						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 4/3/2014						

Photo 2 of 3 : UCIP_FA_2019_39543_59828.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	7.06	Rating **	M	Issue No.	71 (cont)
LM End	7.06	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_39543_59827.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	7.42	Rating **	U	Issue No.	42
LM End	8.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.780736°	36.791803°
				-120.187219°	-120.181770°
DWR ID	DWR_NA0010_23_f_2019_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_139_42_20191114_00041.jpg



Looking upstream along the landside slope. (Fall 2019)

LM Start	7.42	Rating **	U	Issue No.	43
LM End	8.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.780795°	36.791668°
				-120.187163°	-120.181844°
DWR ID	DWR_NA0010_23_f_2019_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_139_43_20191114_00042.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	8.28	Rating **	M	Issue No.	45
LM End	9.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.791957 °	36.807962 °
				-120.181670 °	-120.168817 °
DWR ID	DWR_NA0010_23_f_2019_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	8.29	Rating **	M	Issue No.	46
LM End	9.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.792127°	36.808011°
				-120.181546°	-120.168819°
DWR ID	DWR_NA0010_23_f_2019_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.32	Rating **	M	Issue No.	72
LM End	8.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			36.792476°	36.792476°
				-120.181255°	-120.181255°
DWR ID	19940				
Comment Code					
Inspector Comment					
DS_ID:19940 FS_ID:39544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Some sediment buildup at inlet at LS toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.33)]. FS Date: 4/3/2014					

Photo 1 of 3 : UCIP_FA_2019_39544_59823.jpg



Flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	8.32	Rating **	M	Issue No.	72 (cont)	
LM End	8.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.792476°	36.792476°	
				-120.181255°	-120.181255°	
DWR ID	19940					
Comment Code						
Inspector Comment						
DS_ID:19940 FS_ID:39544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Some sediment buildup at inlet at LS toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.33)]. FS Date: 4/3/2014						

Photo 2 of 3 : UCIP_FA_2019_39544_59821.jpg



cocnrete headwall at drainage ditch on WS toe.

LM Start	8.32	Rating **	M	Issue No.	72 (cont)
LM End	8.32	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_39544_59822.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	8.52	Rating **	M	Issue No.	73	
LM End	8.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.794108 °	36.794108 °	
				-120.178171 °	-120.178171 °	
DWR ID	19941					
Comment Code						
Inspector Comment						
DS_ID:19941						
FS_ID:39545						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.54)].						
FS Date: 4/3/2014						

Photo 1 of 3 : UCIP_FA_2019_39545_59817.jpg



Concrete headwall on WS toe.

LM Start	8.52	Rating **	M	Issue No.	73 (cont)
LM End	8.52	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_39545_59819.jpg



Flapgate on Concrete headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	8.52	Rating **	M	Issue No.	73 (cont)	
LM End	8.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			36.794108 °	36.794108 °	
				-120.178171 °	-120.178171 °	
DWR ID	19941					
Comment Code						
Inspector Comment						
DS_ID:19941						
FS_ID:39545						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.54)].						
FS Date: 4/3/2014						

Photo 3 of 3 : UCIP_FA_2019_39545_59818.jpg



Concrete headwall on LS toe.

LM Start	8.97	Rating **	M	Issue No.	25
LM End	8.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.799606 °	36.799606 °
				-120.175395 °	-120.175395 °
DWR ID	DWR_NA0010_23_f_2016_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the waterside shoulder.					

Photo 1 of 1 : FA_2019_NA0010_139_25_20190912_00004.jpg



Looking at typical view of rodent hole on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	9.19	Rating **	M	Issue No.	32
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.802456°	36.803233°
				-120.173675°	-120.173162°
DWR ID	DWR_NA0010_23_f_2017_32				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.74	Rating **	M	Issue No.	65
LM End	9.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.807603°	36.807603°
				-120.168825°	-120.168825°
DWR ID	DWR_NA0010_23_s_2019_65				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	9.75	Rating **	M	Issue No.	74
LM End	9.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.807768 °	36.807768 °
				-120.168848 °	-120.168848 °
DWR ID	19943				
Comment Code					
Inspector Comment					
DS_ID:19943 FS_ID:53192 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Limited access to both LS and WS; assumed slide gates are still non-functional; Crossing has been downgraded from Urgent to Non-Urgent due to re-classification of damage slide gates. (O. Magana - DWR UCIP)07/20/2016 No change--same as previous inspection. (DWR UCIP - omagana)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 1 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert through the levee, 10 feet below the crown. Concrete U-shaped headwall on each end. Gear pedestal slide gate with wall bracket on the waterside (WS) headwall. 10-foot-long cobble revetted outlet channel. Guardrail on each shoulder. Slide gates on the WS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.76)]. FS Date: 11/1/2018 12:50:00 PM					

LM Start	9.75	Rating **	M	Issue No.	74 (cont)
LM End	9.75	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53192_59810.jpg



Slide gate actuator visible on WS shoulder with concrete headwall.

Photo 2 of 3 : UCIP_FA_2019_53192_59809.jpg



Slide gate on concrete headwall at WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	9.75	Rating **	M	Issue No.	74 (cont)	
LM End	9.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.807768 °	36.807768 °	
				-120.168848 °	-120.168848 °	
DWR ID	19943					
Comment Code						
Inspector Comment						
DS_ID:19943 FS_ID:53192 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Limited access to both LS and WS; assumed slide gates are still non-functional; Crossing has been downgraded from Urgent to Non-Urgent due to re-classification of damage slide gates. (O. Magana - DWR UCIP)07/20/2016 No change--same as previous inspection. (DWR UCIP - omagana)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 1 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert through the levee, 10 feet below the crown. Concrete U-shaped headwall on each end. Gear pedestal slide gate with wall bracket on the waterside (WS) headwall. 10-foot-long cobble revetted outlet channel. Guardrail on each shoulder. Slide gates on the WS. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.76)]. FS Date: 11/1/2018 12:50:00 PM						

Photo 3 of 3 : UCIP_FA_2019_53192_59808.jpg



Heavy corrosion in slide gate tracks on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	9.75	Rating **	M	Issue No.	75
LM End	9.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.807777 °	36.807777 °
				-120.168843 °	-120.168843 °
DWR ID	19980				
Comment Code					
Inspector Comment					
DS_ID:19980 FS_ID:53193 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Limited access to both LS and WS; assumed slide gates are still non-functional; Crossing has been downgraded from Urgent to Non-Urgent due to re-classification of damage slide gates. (O. Magana - DWR UCIP)07/20/2016 No change--same as previous inspection. (DWR UCIP - omagana)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 2 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert through the levee, 10 feet below the crown. Concrete U-shaped headwall on each end. Gear pedestal slide gate with wall bracket on the waterside (WS) headwall. 10-foot-long cobble revetted outlet channel. Guardrail on each shoulder. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 11/1/2018 12:51:00 PM					

LM Start	9.75	Rating **	M	Issue No.	75 (cont)
LM End	9.75	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53193_59802.jpg



Slide gate actuators on Concrete headwall at WS shoulder.

Photo 2 of 3 : UCIP_FA_2019_53193_59801.jpg



Slide gates on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	9.75	Rating **	M	Issue No.	75 (cont)	
LM End	9.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.807777 °	36.807777 °	
				-120.168843 °	-120.168843 °	
DWR ID	19980					
Comment Code						
Inspector Comment						
DS_ID:19980 FS_ID:53193 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/01/2018 Limited access to both LS and WS; assumed slide gates are still non-functional; Crossing has been downgraded from Urgent to Non-Urgent due to re-classification of damage slide gates. (O. Magana - DWR UCIP)07/20/2016 No change--same as previous inspection. (DWR UCIP - omagana)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (DWR UCIP - wwylie) FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 2 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert through the levee, 10 feet below the crown. Concrete U-shaped headwall on each end. Gear pedestal slide gate with wall bracket on the waterside (WS) headwall. 10-foot-long cobble revetted outlet channel. Guardrail on each shoulder. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 11/1/2018 12:51:00 PM						

Photo 3 of 3 : UCIP_FA_2019_53193_59800.jpg



Slide gate tracks show heavy corrosion impacting actuation of slide gate.

LM Start	9.79	Rating **	M	Issue No.	58
LM End	9.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.808317 °	36.808553 °
				-120.168820 °	-120.168827 °
DWR ID	DWR_NA0010_23_f_2018_58				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Woody vegetation is partially blocking crown and landside slope.					

Photo 1 of 3 : FA_2019_NA0010_139_58_20190912_00007.jpg



View of woody vegetation on landside shoulder partially blocking access across crown. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/31/2019 10/31/2019	Corey Fujitani

LM Start	9.79	Rating **	M	Issue No.	58 (cont)	
LM End	9.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			36.808317 °		36.808553 °
				-120.168820 °		-120.168827 °
DWR ID	DWR_NA0010_23_f_2018_58					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Woody vegetation is partially blocking crown and landside slope.						

Photo 2 of 3 : FA_2019_NA0010_139_58_20190912_00008.jpg



View of woody vegetation left on landside slope and toe. (Spring 2019)

LM Start	9.79	Rating **	M	Issue No.	58 (cont)
LM End	9.81	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2019_NA0010_139_58_20190912_00009.jpg



Woody vegetation on landside toe obstructing landside of crown. (Spring 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 24 San Joaquin River			Left	8.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/12/2019 - 4/12/2019		11/1/2019 - 11/1/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	0.06	Rating **	M	Issue No.	47
LM End	0.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.772328 °	36.772328 °
				-120.285117 °	-120.285117 °
DWR ID	DWR_NA0010_24_s_2014_47				
Comment Code					
MA : Material					
Inspector Comment					
The District constructed a berm on waterside slope. The berm is being used for staging of earthen material.					

Photo 1 of 2 : FA_2019_NA0010_140_47_20190912_00009.jpg



Looking northeast at berm on waterward slope.

LM Start	0.06	Rating **	M	Issue No.	47 (cont)
LM End	0.06	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2019_NA0010_140_47_20190912_00010.jpg



Looking north at berm on waterward slope.

LM Start	0.15	Rating **	M	Issue No.	30
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771580 °	36.771292 °
				-120.283817 °	-120.274720 °
DWR ID	DWR_NA0010_24_f_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	0.40	Rating **	M	Issue No.	26
LM End	3.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.768300°	36.768238°	
			-120.283573°	-120.230545°	
DWR ID	DWR_NA0010_24_f_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	M	Issue No.	20
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		36.767759°	36.767759°	
			-120.283559°	-120.283559°	
DWR ID	DWR_NA0010_24_f_2017_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree limb on the waterside.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	0.50	Rating **	M	Issue No.	267	
LM End	0.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.766872 °	36.766872 °	
				-120.283212 °	-120.283212 °	
DWR ID	19955					
Comment Code						
Inspector Comment						
DS_ID:19955						
FS_ID:33264						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 No access available to confirm condition of landward side headwall. Recommend clearing debris along fence.						
Surface erosion near concrete headwall on landward side was present.						
(DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP_FA_2019_33264_60059.jpg



View of waterward side.

LM Start	0.50	Rating **	M	Issue No.	267 (cont)
LM End	0.50	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_33264_60057.jpg



Square gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	0.50	Rating **	M	Issue No.	267 (cont)	
LM End	0.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.766872 °	36.766872 °	
				-120.283212 °	-120.283212 °	
DWR ID	19955					
Comment Code						
Inspector Comment						
DS_ID:19955 FS_ID:33264 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 No access available to confirm condition of landward side headwall. Recommend clearing debris along fence. Surface erosion near concrete headwall on landward side was present. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_33264_60058.jpg



View of landward side.

LM Start	0.82	Rating **	M	Issue No.	6
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.766775 °	36.766962 °
				-120.278757 °	-120.278602 °
DWR ID	DWR_NA0010_24_s_2013_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes identified within this section.					

Photo 1 of 1 : FA_2019_NA0010_140_6_20190912_00001.jpg



Looking at several rodent holes on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	12
LM End	0.86	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		36.767150 °	36.767250 °	
			-120.278440 °	-120.278350 °	
DWR ID	220-107				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:14					
Site Designation:220-107					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	1.06	Rating **	M	Issue No.	268
LM End	1.06	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		36.769574 °	36.769574 °	
			-120.276253 °	-120.276253 °	
DWR ID	19961				
Comment Code					
Inspector Comment					
DS_ID:19961					
FS_ID:33265					
EP_NO: 13735					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/08/2014 Unable to determine status of crossing. Need to contact owner to determine status of crossing. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Crown roadway has been padded 1 foot. Steel cutoff wall around the pipe at the centerline of the levee. Pump on the landside (LS). Siphon breaker on the apex of the pipe on the LS shoulder. Galvanized siphon vent pipe on the LS shoulder. (Plans to install two 24-inch steel discharge pipelines through the levee to dispose of seepage water collected in farm sumps Nos. 8 and 12 authorized under Permit No. 13735, 1983 - Rio Seco Farm).					
[Additional Reference(s): DWR Levee Log, 2002].					
FS Date: 4/8/2014					

Photo 1 of 2 : UCIP_FA_2019_33265_60065.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	1.06	Rating **	M	Issue No.	268 (cont)	
LM End	1.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.769574 °	36.769574 °	
				-120.276253 °	-120.276253 °	
DWR ID	19961					
Comment Code						
Inspector Comment						
DS_ID:19961 FS_ID:33265 EP_NO: 13735 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to determine status of crossing. Need to contact owner to determine status of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Crown roadway has been padded 1 foot. Steel cutoff wall around the pipe at the centerline of the levee. Pump on the landside (LS). Siphon breaker on the apex of the pipe on the LS shoulder. Galvanized siphon vent pipe on the LS shoulder. (Plans to install two 24-inch steel discharge pipelines through the levee to dispose of seepage water collected in farm sumps Nos. 8 and 12 authorized under Permit No. 13735, 1983 - Rio Seco Farm). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 2 of 2 : UCIP_FA_2019_33265_60064.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	1.75	Rating **	M	Issue No.	269	
LM End	1.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.771065 °	36.771065 °	
				-120.266294 °	-120.266294 °	
DWR ID	19962					
Comment Code						
Inspector Comment						
DS_ID:19962 FS_ID:33266 EP_NO: 13085 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/08/2014 Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 20-inch coated steel gravity drainage pipe through the levee, 2 feet below the crown. Pipe encased in concrete through the levee crown. Steel cutoff wall around the pipe at each shoulder. Siphon breaker installed on the apex of the pipe on the landside (LS) shoulder. Vent pipe on LS shoulder. Rock riprap on the waterside (WS) slope. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

LM Start	1.75	Rating **	M	Issue No.	269 (cont)
LM End	1.75	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_33266_60069.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_33266_60070.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	1.75	Rating **	M	Issue No.	269 (cont)	
LM End	1.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.771065 °	36.771065 °	
				-120.266294 °	-120.266294 °	
DWR ID	19962					
Comment Code						
Inspector Comment						
DS_ID:19962 FS_ID:33266 EP_NO: 13085 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/08/2014 Need to contact owner to determine status. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 20-inch coated steel gravity drainage pipe through the levee, 2 feet below the crown. Pipe encased in concrete through the levee crown. Steel cutoff wall around the pipe at each shoulder. Siphon breaker installed on the apex of the pipe on the landside (LS) shoulder. Vent pipe on LS shoulder. Rock riprap on the waterside (WS) slope. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_33266_60071.jpg



View of landward side.

LM Start	1.75	Rating **	M	Issue No.	23
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.771119 °	36.771119 °
				-120.266173 °	-120.266173 °
DWR ID	DWR_NA0010_24_s_2018_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	1.96	Rating **	M	Issue No.	27
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.771515°	36.768197°	
			-120.262526°	-120.230808°	
DWR ID	DWR_NA0010_24_f_2019_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.48	Rating **	M	Issue No.	29
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.770007°	36.770007°	
			-120.254027°	-120.254027°	
DWR ID	DWR_NA0010_24_f_2019_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	2.69	Rating **	M	Issue No.	270
LM End	2.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.771742 °	36.771742 °
				-120.250929 °	-120.250929 °
DWR ID	19963				
Comment Code					
Inspector Comment					
DS_ID:19963 FS_ID:33267 EP_NO: 13735 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to confirm status of crossing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Crown roadway has been padded 1 foot. Steel cutoff wall around the pipe at the centerline of the levee. Pump on the landside (LS). Siphon breaker on the apex of the pipe on the LS shoulder. Galvanized siphon vent pipe on the LS shoulder. (Plans to install two 24-inch steel discharge pipelines through the levee to dispose of seepage water collected in farm sumps Nos. 8 and 12 authorized under Permit No. 13735, 1983 - Rio Seco Farm). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014					

LM Start	2.69	Rating **	M	Issue No.	270 (cont)
LM End	2.69	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_33267_60075.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_33267_60076.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	2.69	Rating **	M	Issue No.	270 (cont)	
LM End	2.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.771742 °	36.771742 °	
				-120.250929 °	-120.250929 °	
DWR ID	19963					
Comment Code						
Inspector Comment						
DS_ID:19963						
FS_ID:33267						
EP_NO: 13735						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Unable to confirm status of crossing.						
(DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Crown roadway has been padded 1 foot. Steel cutoff wall around the pipe at the centerline of the levee. Pump on the landside (LS). Siphon breaker on the apex of the pipe on the LS shoulder. Galvanized siphon vent pipe on the LS shoulder. (Plans to install two 24-inch steel discharge pipelines through the levee to dispose of seepage water collected in farm sumps Nos. 8 and 12 authorized under Permit No. 13735, 1983 - Rio Seco Farm).						
[Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_33267_60077.jpg



View of landward side.

LM Start	2.85	Rating **	A/W	Issue No.	13	
LM End		Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			36.772060°		°
				-120.248370°		°
DWR ID	220-1					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:12						
Site Designation:220-1						
Repair Type: Seepage						
Rating:						
Field Date:						
Notes:						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	3.05	Rating **	U	Issue No.	51
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.770146°	36.769966°
				-120.245703°	-120.244853°
DWR ID	DWR_NA0010_24_s_2019_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_140_51_20190912_00011.jpg



View of rodent holes in landside slope. (Spring 2019)

LM Start	3.05	Rating **	M	Issue No.	31
LM End	3.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.770132 °	36.770132 °
				-120.245597 °	-120.245597 °
DWR ID	DWR_NA0010_24_f_2018_31				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes in the waterside shoulder.					

No Photos

LM Start	3.46	Rating **	M	Issue No.	7
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.769345 °	36.769345 °
				-120.238370 °	-120.238370 °
DWR ID	DWR_NA0010_24_s_2012_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes on the landside slope.					

Photo 1 of 1 : FA_2019_NA0010_140_7_20190912_00002.jpg



Looking east at one of several rodent holes on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	3.53	Rating **	A/W	Issue No.	15
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			36.768910 °	°
				-120.237180 °	°
DWR ID	220-4				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:13					
Site Designation:220-4					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	3.53	Rating **	C	Issue No.	35
LM End	3.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.768873 °	36.768873 °
				-120.237161 °	-120.237161 °
DWR ID	DWR_NA0010_24_f_2018_35				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is vehicle damage to the landside slope. The land owner removed a section of the fence to allow access at this location.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	3.56	Rating **	M	Issue No.	28							
LM End	3.56	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Animal Control		36.768700 °	36.768700 °								
			-120.236668 °	-120.236668 °								
DWR ID	DWR_NA0010_24_f_2019_28											
Comment Code												
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.												
Inspector Comment												

Photo 1 of 1 : FA_2019_NA0010_140_28_20191114_00033.jpg



View of rodent burrows in the landside slope. (Fall 2019)

LM Start	3.70	Rating **	A/W	Issue No.	16							
LM End	3.76	Issue Type +	Ob	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		36.767840 °	36.767760 °								
			-120.234340 °	-120.233380 °								
DWR ID	220-105											
Comment Code												
Inspector Comment												
Levee Evaluation Comments												
Description:												
Site ID No:15												
Site Designation:220-105												
Repair Type: Seepage												
Rating:												
Field Date:												
Notes:												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	3.77	Rating **	M	Issue No.	36
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.767784 °	36.767784 °
				-120.233252 °	-120.233252 °
DWR ID	DWR_NA0010_24_f_2018_36				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is damage to the levee slope from vehicle traffic. The landowner appears to have removed a section of fencing to allow access at this location.					

Photo 1 of 1 : FA_2019_NA0010_140_36_20190912_00008.jpg



View of damage to slope from vehicle traffic. (Fall 2018)

LM Start	4.03	Rating **	M	Issue No.	24
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.768858 °	36.783032 °
				-120.228861 °	-120.220219 °
DWR ID	DWR_NA0010_24_f_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	4.06	Rating **	M	Issue No.	271
LM End	4.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.769238 °	36.769238 °
				-120.228588 °	-120.228588 °
DWR ID	19964				
Comment Code					
Inspector Comment					
DS_ID:19964 FS_ID:36849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to confirm crossing alignment and appurtenances associated with this crossing. Multiple stand pipes visible on landward side. Need to contact owner to determine status of crossing and alignment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box drainage discharge culvert through the levee, 12.5 feet below the crown. Pump on the landside (LS). Concrete riser with slide gate on the waterside (WS) slope. Screw gate on the LS shoulder. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP_FA_2019_36849_67237.jpg



View of waterward side.

LM Start	4.06	Rating **	M	Issue No.	271 (cont)
LM End	4.06	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_36849_67236.jpg



Slide gate inside concrete box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	4.06	Rating **	M	Issue No.	271 (cont)	
LM End	4.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.769238 °	36.769238 °	
				-120.228588 °	-120.228588 °	
DWR ID	19964					
Comment Code						
Inspector Comment						
DS_ID:19964 FS_ID:36849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to confirm crossing alignment and appurtenances associated with this crossing. Multiple stand pipes visible on landward side. Need to contact owner to determine status of crossing and alignment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box drainage discharge culvert through the levee, 12.5 feet below the crown. Pump on the landside (LS). Concrete riser with slide gate on the waterside (WS) slope. Screw gate on the LS shoulder. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP_FA_2019_36849_67235.jpg



Overview of levee at crossing.

LM Start	4.13	Rating **	M	Issue No.	18	
LM End	7.19	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			36.770333 °		36.780776 °
				-120.228686 °		-120.200822 °
DWR ID	DWR_NA0010_24_f_2019_18					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	4.27	Rating **	M	Issue No.	17
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.772003°	36.772003°
				-120.230075°	-120.230075°
DWR ID	DWR_NA0010_24_f_2017_17				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_140_17_20190912_00003.jpg



Looking southeast at the landside slope.

LM Start	5.30	Rating **	M	Issue No.	266
LM End	5.30	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.781960 °	36.781960 °
				-120.224496 °	-120.224496 °
DWR ID	DWR_NA0010_24_s_2015_266				
Comment Code					
MA : Material					
Inspector Comment					
Rocks are stockpiled near the waterside toe.					

Photo 1 of 2 : FA_2019_NA0010_140_266_20190912_00012.jpg



Looking at rock stockpile on waterward berm. Fall 2015

LM Start	5.30	Rating **	M	Issue No.	266 (cont)
LM End	5.30	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2019_NA0010_140_266_20190912_00013.jpg



Looking north at rock pile on waterward berm.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	6.08	Rating **	M	Issue No.	22
LM End	6.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.787806°	36.788093°	
			-120.214113°	-120.211119°	
DWR ID	DWR_NA0010_24_f_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.30	Rating **	C	Issue No.	25
LM End	6.30	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		36.788095°	36.788095°	
			-120.210264°	-120.210264°	
DWR ID	DWR_NA0010_24_s_2018_25				
Comment Code					
MA : Material					
Inspector Comment					
There is a stockpile of PVC pipe on the waterward berm.					

No Photos

LM Start	6.67	Rating **	U	Issue No.	21
LM End	7.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.787329°	36.782295°	
			-120.204978°	-120.202454°	
DWR ID	DWR_NA0010_24_f_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_140_21_20191114_00035.jpg



View of the landside slope looking downstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	6.73	Rating **	M	Issue No.	272
LM End	6.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			36.786632 °	36.786632 °
				-120.204733 °	-120.204733 °
DWR ID	19957				
Comment Code					
Inspector Comment					
DS_ID:19957 FS_ID:50056 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 same as previous inspection. Crossing has been downgraded from Urgent to Non-Urgent PVC does not prevent WS flap gate from closing. (DWR UCIP - omagana)4/08/2014 Unauthorized PVC pipe through existng crossing. PVC distorted inside--Need to contact owner to correct issue. If crossing was allowed need to contact owner for permit number issue for crossing variance. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 3.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 7/20/2016					

LM Start	6.73	Rating **	M	Issue No.	272 (cont)
LM End	6.73	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_50056_60105.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_50056_60107.jpg



View of WS--debris (pipe sections) located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	6.73	Rating **	M	Issue No.	272 (cont)	
LM End	6.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			36.786632 °	36.786632 °	
				-120.204733 °	-120.204733 °	
DWR ID	19957					
Comment Code						
Inspector Comment						
DS_ID:19957 FS_ID:50056 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/20/2016 same as previous inspection. Crossing has been downgraded from Urgent to Non-Urgent PVC does not prevent WS flap gate from closing. (DWR UCIP - omagana)4/08/2014 Unauthorized PVC pipe through existng crossing. PVC distorted inside--Need to contact owner to correct issue. If crossing was allowed need to contact owner for permit number issue for crossing variance. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 3.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_FA_2019_50056_60106.jpg



Flap gate visible on WS.

LM Start	7.06	Rating **	M	Issue No.	14
LM End	7.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.782253 °	36.779710 °
				-120.202407 °	-120.199612 °
DWR ID	DWR_NA0010_24_f_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	7.20	Rating **	U	Issue No.	10
LM End	7.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.780690°	36.775279°
				-120.200732°	-120.191857°
DWR ID	DWR_NA0010_24_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_140_10_20191114_00034.jpg



View of the waterside slope looking upstream. (Fall 2019)

LM Start	7.38	Rating **	U	Issue No.	19
LM End	7.38	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.778838°	36.778838°
				-120.198478°	-120.198478°
DWR ID	DWR_NA0010_24_s_2019_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_140_19_20190912_00004.jpg



View of tree punings left on waterside shoulder. (Spring 2019)

LM Start	7.83	Rating **	A/W	Issue No.	11
LM End	7.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			36.775271 °	36.775271 °
				-120.192400 °	-120.192400 °
DWR ID	DWR_NA0010_24_f_2019_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_140_11_20191114_00036.jpg



Looking East down the waterside slope. (Fall 2019)

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/01/2019 11/01/2019	Corey Fujitani

LM Start	8.33	Rating **	M	Issue No.	273	
LM End	8.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			36.778084 °		36.778084 °
				-120.184454 °		-120.184454 °
DWR ID	19960					
Comment Code						
Inspector Comment						
DS_ID:19960						
FS_ID:33272						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Barbed wire along levee shoulder--no access. Need to confirm crossing size and condition of crossing. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 12-inch reinforced concrete gravity drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.32)].						
FS Date: 4/8/2014						

LM Start	8.33	Rating **	M	Issue No.	273 (cont)
LM End	8.33	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_33272_60121.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2019_33272_60120.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 25 Salt Slough			Right	2.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/25/2019 - 3/25/2019		10/23/2019 - 10/23/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	8
LM End	2.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296125°	37.271357°
				-120.880736°	-120.866720°
DWR ID	DWR_NA0010_25_f_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_141_8_20191114_00024.jpg



View of the landside slope looking upstream. (Fall 2019)

LM Start	0.01	Rating **	M	Issue No.	10
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296125°	37.271353°
				-120.880736°	-120.866718°
DWR ID	DWR_NA0010_25_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0010_141_10_20191114_00025.jpg



View of the waterside slope looking upstream. (Fall 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	15	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.296038 °	37.296038 °	
				-120.880742 °	-120.880742 °	
DWR ID	19965					
Comment Code						
Inspector Comment						
DS_ID:19965 FS_ID:39501 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 5/1/2014						

LM Start	0.02	Rating **	M	Issue No.	15 (cont)
LM End	0.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39501_67242.jpg



View of waterward side--dense vegetation on waterward side.

Photo 2 of 3 : UCIP_FA_2019_39501_67240.jpg



Pipe daylight visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	15 (cont)	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.296038 °		37.296038 °
				-120.880742 °		-120.880742 °
DWR ID	19965					
Comment Code						
Inspector Comment						
DS_ID:19965 FS_ID:39501 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_39501_67241.jpg



View of landward side--dense vegetation on landward side.

LM Start	0.36	Rating **	M	Issue No.	16	
LM End	0.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.291173 °		37.291173 °
				-120.880731 °		-120.880731 °
DWR ID	19966					
Comment Code						
Inspector Comment						
DS_ID:19966						
FS_ID:36851						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP_FA_2019_36851_67249.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.36	Rating **	M	Issue No.	16 (cont)	
LM End	0.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.291173 °	37.291173 °	
				-120.880731 °	-120.880731 °	
DWR ID	19966					
Comment Code						
Inspector Comment						
DS_ID:19966 FS_ID:36851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36851_67248.jpg



Pipe outlet visible on waterward side.

LM Start	0.36	Rating **	M	Issue No.	16 (cont)
LM End	0.36	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36851_67247.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.44	Rating **	M	Issue No.	11
LM End	2.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.289931 °	37.271143 °
				-120.880728 °	-120.866625 °
DWR ID	DWR_NA0010_25_f_2019_11				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.59	Rating **	M	Issue No.	17
LM End	0.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID	19967				
Comment Code					
Inspector Comment					
DS_ID:19967					
FS_ID:36852					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002.					
USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)].					
FS Date: 5/1/2014					

Photo 1 of 3 : UCIP_FA_2019_36852_67250.jpg



Overview of waterward side--Salt Slough.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.59	Rating **	M	Issue No.	17 (cont)	
LM End	0.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.287744 °	37.287744 °	
				-120.880645 °	-120.880645 °	
DWR ID	19967					
Comment Code						
Inspector Comment						
DS_ID:19967						
FS_ID:36852						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)].						
FS Date: 5/1/2014						

LM Start	0.59	Rating **	M	Issue No.	17 (cont)
LM End	0.59	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36852_67251.jpg



View of waterward slope covered by dense vegetation.

Photo 3 of 3 : UCIP_FA_2019_36852_67252.jpg



Pipe and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	18	
LM End	0.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.282252°	37.282252°	
				-120.880738°	-120.880738°	
DWR ID	19968					
Comment Code						
Inspector Comment						
DS_ID:19968						
FS_ID:36853						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002.						
USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.97)].						
FS Date: 5/1/2014						

LM Start	0.97	Rating **	M	Issue No.	18 (cont)
LM End	0.97	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36853_67256.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_36853_67255.jpg



Pipe and evidence of flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	18 (cont)	
LM End	0.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.282252 °	37.282252 °	
				-120.880738 °	-120.880738 °	
DWR ID	19968					
Comment Code						
Inspector Comment						
DS_ID:19968						
FS_ID:36853						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.97)].						
FS Date: 5/1/2014						

Photo 3 of 3 : UCIP_FA_2019_36853_67254.jpg



View of landward side.

LM Start	1.00	Rating **	M	Issue No.	13
LM End	1.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.281791°	37.281676°
				-120.880747°	-120.867253°
DWR ID	DWR_NA0010_25_s_2018_13				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	1.86	Rating **	M	Issue No.	14
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.280055 °	37.280055 °
				-120.867177 °	-120.867177 °
DWR ID	DWR_NA0010_25_f_2019_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.05	Rating **	M	Issue No.	19
LM End	2.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.277390 °	37.277390 °
				-120.867184 °	-120.867184 °
DWR ID	19969				
Comment Code					
Inspector Comment					
DS_ID:19969					
FS_ID:36854					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)].					
FS Date: 5/1/2014					

Photo 1 of 3 : UCIP_FA_2019_36854_67259.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	19 (cont)	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.277390 °		37.277390 °
				-120.867184 °		-120.867184 °
DWR ID	19969					
Comment Code						
Inspector Comment						
DS_ID:19969						
FS_ID:36854						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP_FA_2019_36854_67260.jpg



View of waterward side.

LM Start	2.05	Rating **	M	Issue No.	19 (cont)
LM End	2.05	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36854_67261.jpg



Flap gate and concrete headwall located on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.45	Rating **	M	Issue No.	20	
LM End	2.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.271599 °		37.271599 °
				-120.866819 °		-120.866819 °
DWR ID	19970					
Comment Code						
Inspector Comment						
DS_ID:19970 FS_ID:39502 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.45)]. FS Date: 5/1/2014 4:04:00 PM						

LM Start	2.45	Rating **	M	Issue No.	20 (cont)
LM End	2.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_39502_67270.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_39502_67269.jpg



Pipe daylights at waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/23/2019 10/23/2019	Corey Fujitani

LM Start	2.45	Rating **	M	Issue No.	20 (cont)	
LM End	2.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.271599 °		37.271599 °
				-120.866819 °		-120.866819 °
DWR ID	19970					
Comment Code						
Inspector Comment						
DS_ID:19970 FS_ID:39502 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side--recommend clearing. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.45)]. FS Date: 5/1/2014 4:04:00 PM						

Photo 3 of 3 : UCIP_FA_2019_39502_67268.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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