

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

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	57.40	7.76	88.44	46.24%				
Trim / Thin Trees	0.36	0.10	0.76	0.40%	0.01			
Encroachments	0.02		0.02	0.01%	10.67	0.12		
Animal Control	4.51	1.76	11.55	6.04%				
Slope Stability	0.01	0.01	0.05	0.03%				
Erosion / Bank Caving	0.07	0.24	1.03	0.54%				
Erosion / Livestock	3.88	2.83	15.20	7.95%				
Erosion / Vehicle Traffic	0.03	0.01	0.07	0.04%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.01%				
Access Gates	0.02	0.01	0.06	0.03%				
<i>Rivers, Channels & Designated Floodways</i>								
Encroachments					0.01			
<i>Supplemental</i>								
DWR Erosion Survey	0.13	0.32	1.41	0.74%				
DWR UCIP Field Study					0.30	0.06		
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	66.44	13.04	118.60	62.01%	10.99	0.18	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	14.32	6.57	40.60	180.29%				
Trim / Thin Trees	0.01		0.01	0.04%				
Encroachments					3.85	0.08		
Animal Control	0.19	0.07	0.47	2.09%				
Erosion / Livestock	0.04	0.01	0.08	0.36%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.02	0.02		
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	14.56	6.65	41.16	182.77%	3.87	0.10	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	4.81		4.81	61.12%				
Encroachments					0.01			
Animal Control	0.01		0.01	0.13%				
<i>Supplemental</i>								
DWR Erosion Survey		0.06	0.24	3.05%				
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	4.82	0.06	5.06	64.29%	0.01	0.00	0.00	0.00

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San Joaquin River Basin (cont.)

Unit No. 02B San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
NA0010	A	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	0.29		0.29	4.90%				
Trim / Thin Trees	0.02		0.02	0.34%				
Encroachments	0.01		0.01	0.17%				
Animal Control	0.01		0.01	0.17%				
Erosion / Bank Caving	0.02		0.02	0.34%				
Supplemental								
DWR UCIP Field Study					0.01			
DWR UCIP LMA Responsibility								
Unit Totals:	0.35	0.00	0.35	5.91%	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	1.38		1.38	65.87%				
Encroachments					1.60	0.01		
Animal Control	0.40	0.02	0.48	22.91%				
Supplemental								
DWR UCIP Field Study					0.01			
DWR UCIP LMA Responsibility								
Unit Totals:	1.78	0.02	1.86	88.77%	1.61	0.01	0.00	0.00

Unit No. 04 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
NA0010	A	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								
Animal Control	0.01		0.01	0.71%				
Supplemental								
DWR UCIP LMA Responsibility								
Unit Totals:	0.01	0.00	0.01	0.71%	0.00	0.00	0.00	0.00

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

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	
Earthen Levee									
Vegetation	8.10		8.10	23.24%					
Trim / Thin Trees	0.22	0.10	0.62	1.78%					
Encroachments					0.04				
Animal Control	0.95	0.19	1.71	4.91%					
Erosion / Bank Caving	0.05	0.07	0.33	0.95%					
Erosion / Livestock	1.11	0.23	2.03	5.82%					
Rivers, Channels & Designated Floodways									
Encroachments					0.01				
Supplemental									
DWR Erosion Survey	0.12		0.12	0.34%					
DWR UCIP Field Study					0.03	0.02			
DWR UCIP LMA Responsibility									
Unit Totals:	10.55	0.59	12.91	37.04%	0.08	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	
Earthen Levee									
Vegetation	5.07		5.07	13.90%					
Trim / Thin Trees	0.01		0.01	0.03%					
Encroachments	0.01		0.01	0.03%	4.22	0.01			
Animal Control	0.83	0.40	2.43	6.66%					
Slope Stability		0.01	0.04	0.11%					
Erosion / Bank Caving		0.17	0.68	1.86%					
Erosion / Livestock	2.17	1.74	9.13	25.03%					
Access Gates	0.02		0.02	0.06%					
Supplemental									
DWR Erosion Survey		0.16	0.64	1.75%					
DWR UCIP Field Study					0.06				
DWR UCIP LMA Responsibility									
Unit Totals:	8.11	2.48	18.03	49.44%	4.28	0.01	0.00	0.00	

Unit No. 07 Bear Creek Bypass RB	Overall Unit Rating	Total Unit Miles							
NA0010	A	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	
Earthen Levee									
Animal Control	0.16		0.16	4.42%					
Erosion / Livestock	0.01		0.01	0.28%					
Supplemental									
DWR UCIP LMA Responsibility									
Unit Totals:	0.17	0.00	0.17	4.70%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**

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San Joaquin River Basin (cont.)

Unit No. 08 Bear Creek Bypass LB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
NA0010	M *	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>								
Animal Control	0.17	0.01	0.21	5.79%				
Erosion / Livestock	0.02		0.02	0.55%				
<i>Supplemental</i>								
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.19	0.01	0.23	6.34% *	0.00	0.00	0.00	0.00

Unit No. 09 Owens Creek Bypass RB	Overall Unit Rating	Total Unit Miles						
NA0010	A	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>								
Animal Control	0.01		0.01	1.14%				
<i>Supplemental</i>								
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.01	0.00	0.01	1.14%	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	0.42		0.42	52.75%				
Animal Control	0.01		0.01	1.26%				
<i>Supplemental</i>								
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.43	0.00	0.43	54.01%	0.00	0.00	0.00	0.00

Unit No. 11 Mariposa Bypass RB	Overall Unit Rating	Total Unit Miles						
NA0010	A	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>								
Erosion / Livestock	0.02		0.02	0.60%				
<i>Supplemental</i>								
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.02	0.00	0.02	0.60%	0.00	0.00	0.00	0.00

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

Unit No. 12 Mariposa Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		A	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	
<i>Earthen Levee</i>									
Vegetation	0.19		0.19	5.70%					
Animal Control	0.02		0.02	0.60%					
<i>Supplemental</i>									
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.21	0.00	0.21	6.30%	0.00	0.00	0.00	0.00	

Unit No. 13 Ash Slough RB		Overall Unit Rating	Total Unit Miles						
NA0010		A	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	
<i>Earthen Levee</i>									
Encroachments					0.04	0.01			
Animal Control	0.03		0.03	2.37%					
<i>Supplemental</i>									
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.03	0.00	0.03	2.37%	0.04	0.01	0.00	0.00	

Unit No. 14 Ash Slough LB		Overall Unit Rating	Total Unit Miles						
NA0010		A	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	
<i>Earthen Levee</i>									
Animal Control	0.01		0.01	0.78%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.01				
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.01	0.00	0.01	0.78%	0.01	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	
<i>Earthen Levee</i>									
Vegetation	0.92		0.92	45.30%					
Animal Control	0.02		0.02	0.99%					
<i>Supplemental</i>									
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.94	0.00	0.94	46.28%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**

Fall 2022 Levee Maintenance Deficiency Summary Report

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	1.23		1.23	62.68%					
Animal Control	0.03	0.03	0.15	7.64%					
<i>Supplemental</i>									
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	1.26	0.03	1.38	70.33%	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	8.39		8.39	52.14%					
Animal Control	0.61	0.04	0.77	4.79%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.01				
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	9.00	0.04	9.16	56.93%	0.01	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	6.53		6.53	42.54%					
Encroachments					0.01				
Animal Control	0.63	0.65	3.23	21.04%					
Access Gates		0.01	0.04	0.26%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.04				
<i>Unit Totals:</i>	7.16	0.66	9.80	63.84%	0.05	0.00	0.00	0.00	

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

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	1.09		1.09	19.80%					
Encroachments					0.86				
Animal Control	0.05		0.05	0.91%					
Slope Stability	0.01		0.01	0.18%					
Erosion / Livestock	0.51	0.85	3.91	71.02%					
Supplemental									
DWR Erosion Survey	0.01	0.10	0.41	7.45%					
DWR UCIP Field Study					0.03				
DWR UCIP LMA Responsibility									
Unit Totals:	1.67	0.95	5.47	99.36%	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	3.31	0.05	3.51	34.27%					
Trim / Thin Trees	0.09		0.09	0.88%					
Encroachments					0.01				
Animal Control	0.27	0.14	0.83	8.10%					
Erosion / Vehicle Traffic	0.02	0.01	0.06	0.59%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.10%					
Supplemental									
DWR UCIP Field Study					0.04	0.02			
DWR UCIP LMA Responsibility									
Unit Totals:	3.70	0.20	4.50	43.94%	0.05	0.02	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	1.35	1.14	5.91	70.72%					
Trim / Thin Trees	0.01		0.01	0.12%	0.01				
Encroachments					0.03	0.01			
Animal Control	0.09	0.21	0.93	11.13%					
Erosion / Vehicle Traffic	0.01		0.01	0.12%					
Supplemental									
DWR UCIP Field Study					0.04				
DWR UCIP LMA Responsibility									
Unit Totals:	1.46	1.35	6.86	82.08%	0.08	0.01	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections
Fall 2022 Levee Maintenance Deficiency Summary Report**

San Joaquin River Basin (cont.)

Unit No. 25 Salt Slough RB		Overall Unit Rating	Total Unit Miles						
NA0010		A	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>Supplemental</i>									
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet**

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**

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	4/5/2022 - 4/5/2022		9/20/2022 - 9/20/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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					
OM : O&M Manuals					
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					
ES : Emergency Supplies & Equipment					
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							
FP : Flood Preparedness & Training							
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.348637 °	37.348637 °	
				-120.958834 °	-120.958834 °	
DWR ID	19650					
Comment Code						
Inspector Comment						
DS_ID:19650 FS_ID:70636 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 10/06/2020 Record remains Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. This crossing will be monitored until funding becomes available for rehabilitation. Dense vegetation was found along the LS and WS. No permit was found authorizing this encroachment. The CVFPB will need to review crossing to determine owner. (O. Magana - DWR UCIP, B. Singh - GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 0.00). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.02)]. FS Date: 10/6/2020						

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

Photo 1 of 3 : UCIP_FA_2022_70636_92086.jpg



Overview of levee crown looking upstream towards pipe crossing. Pipe is locate near gate entrance.

Photo 2 of 3 : UCIP_FA_2022_70636_92088.jpg



LS view: overview of LS, dense vegetation on slope and 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	1185 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.348637 °	37.348637 °	
			-120.958834 °	-120.958834 °	
DWR ID	19650				

Photo 3 of 3 : UCIP_FA_2022_70636_92089.jpg



WS view: gate visible on the WS toe with concrete wall supporting pipe.

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	DWR UCIP LMA Responsibility		37.344705 °	37.344705 °	
			-120.962176 °	-120.962176 °	
DWR ID	19651				

Comment Code

Inspector Comment

DS_ID:19651
FS_ID:70637
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 10/06/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. Sediment buildup found on the LS. Recommend maintenance to clear up sediment buildup along pipe invert. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (O. Magana - DWR UCIP, B. Singh - GEI)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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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, (HLM 0.35). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.35)].
FS Date: 10/6/2020

Photo 1 of 3 : UCIP_FA_2022_70637_90529.jpg



Overview of levee looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility		37.344705 °	37.344705 °	
			-120.962176 °	-120.962176 °	
DWR ID	19651				

Photo 2 of 3 : UCIP_FA_2022_70637_90530.jpg



LS view: Overview of LS from levee crest, looking US

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

Photo 3 of 3 : UCIP_FA_2022_70637_92300.jpg



LS view: sediment build up along the pipe invert.

LM Start	0.36	Rating **	M	Issue No.	95
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.344312 °	37.344312 °
				-120.962361 °	-120.962361 °
DWR ID	DWR_NA0010_01_f_2020_95				
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_2022_NA0010_118_95_20220822_00005.jpg



Several rodent holes observed in the landside slope. (Fall 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.45	Rating **	M	Issue No.	97
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.343243 °	37.343243 °
				-120.962159 °	-120.962159 °
DWR ID	DWR_NA0010_01_s_2021_97				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_97_20220822_00006.jpg



View of rodent burrows in the waterside slope. (Spring 2021)

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	DWR UCIP LMA Responsibility			37.341507 °	37.341507 °
				-120.961283 °	-120.961283 °
DWR ID	19583				
Comment Code					
Inspector Comment					
DS_ID:19583 FS_ID:70638 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. Rodent activity found near pipe location. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Recommend removing vegetation pile from waterward toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 0.62). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.62)]. FS Date: 10/6/2020					

Photo 1 of 3 : UCIP_FA_2022_70638_90537.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.341507 °	37.341507 °
				-120.961283 °	-120.961283 °
DWR ID	19583				

Photo 2 of 3 : UCIP_FA_2022_70638_90535.jpg



WS view: Flapgate and headwall at WS toe

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

Photo 3 of 3 : UCIP_FA_2022_70638_90540.jpg



LS view: Inside pipe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.85	Rating **	M	Issue No.	1188
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.339829 °	37.339829 °
				-120.958621 °	-120.958621 °
DWR ID	19584				
Comment Code					
Inspector Comment					
DS_ID:19584 FS_ID:70639 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Rodent activity found near this stretch of levee. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 7.0 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, (HLM 0.88). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.87)]. FS Date: 10/6/2020					

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

Photo 1 of 3 : UCIP_FA_2022_70639_90541.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70639_90546.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.85	Rating **	M	Issue No.	1188 (cont)
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.339829 °	37.339829 °	
			-120.958621 °	-120.958621 °	
DWR ID	19584				

Photo 3 of 3 : UCIP_FA_2022_70639_90544.jpg



LS view: Pipe and headwall at LS toe

LM Start	0.93	Rating **	U	Issue No.	1189
LM End	0.93	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.339598 °	37.339598 °	
			-120.957202 °	-120.957202 °	
DWR ID	19585				

Comment Code

Inspector Comment

DS_ID:19585
 FS_ID:70640
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 1, Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 10/06/2020 Record has been updated from Non-Urgent to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Scour visible behind the concrete headwall on the LS toe. Recommend monitoring crossing until funding becomes available to addressed. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 9.0 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, (HLM 0.96). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.95)].
 FS Date: 10/6/2020

Photo 1 of 3 : UCIP_FA_2022_70640_90550.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.93	Rating **	U	Issue No.	1189 (cont)
LM End	0.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.339598 °	37.339598 °
				-120.957202 °	-120.957202 °
DWR ID	19585				

Photo 2 of 3 : UCIP_FA_2022_70640_90547.jpg



WS view: Flapgate, pipe, and headwall on WS toe

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

Photo 3 of 3 : UCIP_FA_2022_70640_90548.jpg



LS view: Headwall and pipe on LS toe. Significant scour surrounding 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.15	Rating **	M	Issue No.	1190
LM End	1.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.338005 °	37.338005 °
				-120.953921 °	-120.953921 °
DWR ID	19586				
Comment Code					
Inspector Comment					
DS_ID:19586 FS_ID:70641 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 1.18). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.17)]. FS Date: 10/6/2020					

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

Photo 1 of 3 : UCIP_FA_2022_70641_90554.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70641_90553.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.15	Rating **	M	Issue No.	1190 (cont)
LM End	1.15	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.338005 °	37.338005 °	
			-120.953921 °	-120.953921 °	
DWR ID	19586				

Photo 3 of 3 : UCIP_FA_2022_70641_90557.jpg



Headwall and pipe at LS toe

LM Start	1.32	Rating **	M	Issue No.	1191
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.337361 °	37.337361 °	
			-120.950879 °	-120.950879 °	
DWR ID	19587				

Photo 1 of 3 : UCIP_FA_2022_70642_90560.jpg



Overview of levee crown, looking US

Comment Code					
Inspector Comment					
DS_ID:19587 FS_ID:70642 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is still pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.35). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.34)]. FS Date: 10/6/2020					

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.32	Rating **	M	Issue No.	1191 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.337361 °	37.337361 °	
				-120.950879 °	-120.950879 °	
DWR ID	19587					

Photo 2 of 3 : UCIP_FA_2022_70642_90562.jpg



LS view: Inside pipe at LS toe

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

Photo 3 of 3 : UCIP_FA_2022_70642_90559.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.336866 °	37.336866 °	
				-120.948520 °	-120.948520 °	
DWR ID	19588					
Comment Code						
Inspector Comment						
DS_ID:19588 FS_ID:70643 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 11.0 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, (HLM 1.48). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.48)]. FS Date: 10/6/2020						

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

Photo 1 of 3 : UCIP_FA_2022_70643_90567.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70643_90570.jpg



Pipe 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility		37.336866 °	37.336866 °	
			-120.948520 °	-120.948520 °	
DWR ID	19588				

Photo 3 of 3 : UCIP_FA_2022_70643_90566.jpg



Pipe partially visible on LS toe

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	DWR UCIP LMA Responsibility		37.336459 °	37.336459 °	
			-120.944803 °	-120.944803 °	
DWR ID	19589				

Comment Code

Inspector Comment

DS_ID:19589
FS_ID:70644
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 10/06/2020 Record remains Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Dense vegetation was found along the WS and LS toe. Recommend removing vegetation along the pipe alignment. Based on the 2014 photos, the LS toe appears to be heavily silted up. Recommend removing silt to increase flow capacity and meet pipe design capacity. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Heavy sediment buildup in pipe at LS toe. (DWR UCIP - W. Wylie)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 1.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.69)].
FS Date: 10/6/2020

Photo 1 of 3 : UCIP_FA_2022_70644_90572.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.336459 °	37.336459 °
				-120.944803 °	-120.944803 °
DWR ID	19589				

Photo 2 of 3 : UCIP_FA_2022_70644_90575.jpg



WS view: Flapgate and headwall visible at WS toe; dense vegetation

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

Photo 3 of 3 : UCIP_FA_2022_70644_90576.jpg



LS view: Headwall and pipe partially visible at LS toe; 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.81	Rating **	M	Issue No.	1194
LM End	1.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.335612 °	37.335612 °
				-120.942532 °	-120.942532 °
DWR ID	19590				

Comment Code

Inspector Comment

DS_ID:19590
FS_ID:70645
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 10/06/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. Dense vegetation was observed along the pipe alignment and both WS and LS toe. Recommend clearing vegetation along pipe alignment. (B. Singh - GEI, O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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, (HLM 1.84). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.83)].
FS Date: 10/6/2020

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

Photo 1 of 3 : UCIP_FA_2022_70645_90581.jpg



Overview of levee crown, looking upstream

Photo 2 of 3 : UCIP_FA_2022_70645_90582.jpg



WS view: Pipe, flapgate, and headwall are not visible at WS toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.81	Rating **	M	Issue No.	1194 (cont)
LM End	1.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.335612 °	37.335612 °	
			-120.942532 °	-120.942532 °	
DWR ID	19590				

Photo 3 of 3 : UCIP_FA_2022_70645_90578.jpg



LS view: Pipe and concrete headwall partially visible at LS toe

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	DWR UCIP LMA Responsibility		37.334377 °	37.334377 °	
			-120.940397 °	-120.940397 °	
DWR ID	19591				

Comment Code

Inspector Comment

DS_ID:19591
 FS_ID:70646
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 10/06/2020 Record remains Non-Urgent. Rodent activity found in the general area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 1.98). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.98)].
 FS Date: 10/6/2020

Photo 1 of 3 : UCIP_FA_2022_70646_90611.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility		37.334377 °	37.334377 °	
			-120.940397 °	-120.940397 °	
DWR ID	19591				

Photo 2 of 3 : UCIP_FA_2022_70646_90615.jpg



LS view: Pipe and headwall at LS toe

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

Photo 3 of 3 : UCIP_FA_2022_70646_90612.jpg



WS view: Pipe and flapgate visible on WS toe

LM Start	1.97	Rating **	M	Issue No.	122
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.334259 °	37.334259 °
				-120.940113 °	-120.940113 °
DWR ID	DWR_NA0010_01_f_2022_122				
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_2022_NA0010_118_122_20221007_00292.jpg



View of large rodent burrow on the waterside slope. (Fall 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	99
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.334173 °	37.334173 °
				-120.939886 °	-120.939886 °
DWR ID	DWR_NA0010_01_s_2020_99				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows on both sides of the levee.					

No Photos

LM Start	2.06	Rating **	U	Issue No.	1196	
LM End	2.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.333653 °	37.333653 °	
				-120.938770 °	-120.938770 °	
DWR ID	19570					
Comment Code						
Inspector Comment						
DS_ID:19570 FS_ID:70647 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 10/06/2020 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Wooden barrier surrounding drop-inlet is dilapidated. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP) 04/08/2014 Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 2.08). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.08)]. FS Date: 10/6/2020						

Photo 1 of 3 : UCIP_FA_2022_70647_90617.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	2.06	Rating **	U	Issue No.	1196 (cont)
LM End	2.06	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.333653 °	37.333653 °	
			-120.938770 °	-120.938770 °	
DWR ID	19570				

Photo 2 of 3 : UCIP_FA_2022_70647_90618.jpg



WS view: Pipe and flapgate visible on WS toe

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

Photo 3 of 3 : UCIP_FA_2022_70647_90619.jpg



LS view: Wooden barrier around drop-inlet on LS toe is dilapidated

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.					

Photo 1 of 1 : FA_2022_NA0010_118_110_20220822_00012.jpg



View of tree stump on the landside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	2.22	Rating **	M	Issue No.	1197	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.331611 °	37.331611 °	
				-120.937455 °	-120.937455 °	
DWR ID	19571					
Comment Code						
Inspector Comment						
DS_ID:19571 FS_ID:70648 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record has been updated from No Action Needed to Non-Urget. Pipe angle through the levee. System description has been updated. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) gravity drainage pipe through the levee at an angle, 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, (HLM 2.25). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.25)]. FS Date: 10/6/2020						

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

Photo 1 of 3 : UCIP_FA_2022_70648_90625.jpg



Overview of levee crown, looking US. Pipe angled through levee at alignment shown

Photo 2 of 3 : UCIP_FA_2022_70648_90628.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	2.22	Rating **	M	Issue No.	1197 (cont)
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.331611 °	37.331611 °	
			-120.937455 °	-120.937455 °	
DWR ID	19571				

Photo 3 of 3 : UCIP_FA_2022_70648_90623.jpg



LS view: inside view of pipe

LM Start	2.50	Rating **	M	Issue No.	1198
LM End	2.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.328619 °	37.328619 °	
			-120.934369 °	-120.934369 °	
DWR ID	19572				

Comment Code

Inspector Comment

DS_ID:19572
 FS_ID:70649
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 10/06/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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, (HLM 2.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.52)].
 FS Date: 10/6/2020

Photo 1 of 3 : UCIP_FA_2022_70649_90632.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	2.50	Rating **	M	Issue No.	1198 (cont)
LM End	2.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.328619 °	37.328619 °	
			-120.934369 °	-120.934369 °	
DWR ID	19572				

Photo 2 of 3 : UCIP_FA_2022_70649_90635.jpg



WS view: Pipe, flapgate, and headwall on WS toe

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

Photo 3 of 3 : UCIP_FA_2022_70649_90636.jpg



LS view: close up view inside pipe inlet

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	Erosion / Vehicle Traffic			37.327936 °	37.327936 °
				-120.933013 °	-120.933013 °
DWR ID	DWR_NA0010_01_f_2018_113				
Comment Code					
E6 : 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 but the integrity of the levee is not compromised. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_118_113_20220822_00014.jpg



Slope damage by vehicle traffic. (Spring 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility		37.327362 °	37.327362 °	
			-120.931591 °	-120.931591 °	
DWR ID	19573				

Comment Code

Inspector Comment

DS_ID:19573
FS_ID:70650
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 10/06/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Sedimentation in pipe at landward toe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 2.71). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.70)].
FS Date: 10/6/2020

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

Photo 1 of 3 : UCIP_FA_2022_70650_90637.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70650_90638.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility		37.327362 °	37.327362 °	
			-120.931591 °	-120.931591 °	
DWR ID	19573				

Photo 3 of 3 : UCIP_FA_2022_70650_90642.jpg



WS view: Pipe and headwall at WS toe

LM Start	2.99	Rating **	U	Issue No.	114
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.323328 °	37.323328 °
				-120.929521 °	-120.929521 °
DWR ID	DWR_NA0010_01_f_2018_114				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage caused by livestock on both landside and waterside slope has eroded into the levee crown.					

Photo 1 of 1 : FA_2022_NA0010_118_114_20220822_00015.jpg



View of damage to both slopes from livestock activity. (Fall 2020)

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	Erosion / Livestock			37.322499 °	37.322499 °
				-120.928986 °	-120.928986 °
DWR ID	DWR_NA0010_01_f_2017_104				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage caused by animal foot traffic.					

Photo 1 of 1 : FA_2022_NA0010_118_104_20220822_00008.jpg



Slope damage on the landside slope from livestock traffic. (Spring 2021)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	3.10	Rating **	M	Issue No.	115
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.321903 °	37.321903 °
				-120.928748 °	-120.928748 °
DWR ID	DWR_NA0010_01_f_2018_115				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage caused by livestock traffic.					

Photo 1 of 1 : FA_2022_NA0010_118_115_20220822_00016.jpg



View of erosion path looking downstream. (Fall 2018)

LM Start	3.13	Rating **	M	Issue No.	108
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.321488 °	37.321488 °
				-120.928758 °	-120.928758 °
DWR ID	DWR_NA0010_01_s_2017_108				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage caused by animal traffic on landside toe.					

Photo 1 of 1 : FA_2022_NA0010_118_108_20220822_00011.jpg



View of landside slope damage by animal traffic. (Fall 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.321444 °	37.321444 °
				-120.928764 °	-120.928764 °
DWR ID	19574				
Comment Code					
Inspector Comment					
DS_ID:19574 FS_ID:70651 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/06/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Some minor erosion around headwall on LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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, (HLM 3.17). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.16)]. FS Date: 10/6/2020					

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

Photo 1 of 3 : UCIP_FA_2022_70651_90644.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70651_90645.jpg



WS view: Pipe 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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Lower San Joaquin Levee District

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.317116 °	37.317116 °
				-120.926451 °	-120.926451 °
DWR ID	19575				
Comment Code					
Inspector Comment					
DS_ID:19575 FS_ID:70652 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 10/06/2020 Record remains Urgent. Sinkhole present directly above the LS headwall and along pipe alignment. Pipe collapse visible from from the LS toe. Erosion present on the WS just behind the flap gate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled in 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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, (HLM 3.50). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.50)]. FS Date: 10/6/2020					

Photo 1 of 3 : UCIP_FA_2022_70652_90588.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.317116 °	37.317116 °	
				-120.926451 °	-120.926451 °	
DWR ID	19575					

Photo 2 of 3 : UCIP_FA_2022_70652_90586.jpg



WS view: Slope from WS toe

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

Photo 3 of 3 : UCIP_FA_2022_70652_90591.jpg



LS view: Pipe, headwall, and sinkhole at LS toe

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.					

Photo 1 of 1 : FA_2022_NA0010_118_2_20220822_00001.jpg



View of rodent burrows in this section 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	3.92	Rating **	U	Issue No.	1202
LM End	3.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.311178 °	37.311178 °
				-120.927007 °	-120.927007 °
DWR ID	19576				
Comment Code					
Inspector Comment					
DS_ID:19576 FS_ID:70653 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 10/06/2020 Record updated from Non-Urgent to Urgent. Heavy siltation through the length of the pipe was observed and recommend removal. Flap gate is missing on the WS toe. Recommend adding flap gate to prevent flooding from the WS to the LS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. Pipe goes through the levee at an angle. System description has been updated to include angled pipe information.(B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal (CM) gravity drainage pipe through the levee at an angle, 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, (HLM 3.95). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.95)]. FS Date: 10/6/2020					

Photo 1 of 3 : UCIP_FA_2022_70653_90650.jpg



Overview of levee crown, looking US. Angled pipe alignment through levee crown approximated.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/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 2022

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

Photo 2 of 3 : UCIP_FA_2022_70653_90652.jpg

A photograph showing a large, dark, cylindrical object, possibly a pipe or culvert, partially buried in a field of dry, brown grass and brush. The object is surrounded by dense vegetation and appears to be a man-made structure in a natural setting.

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

Photo 3 of 3 : UCIP_FA_2022_70653_90655.jpg



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 1 : FA_2022_NA0010_118_5_20220822_00002.jpg



10-12-2020

Looking south at irrigation ditch at the landside toe. (Fall 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	3.99	Rating **	M	Issue No.	118
LM End	4.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.310693 °	37.307895 °
				-120.926024 °	-120.922935 °
DWR ID	DWR_NA0010_01_f _ 2018_118				
Comment Code					
FE : Fence					
Inspector Comment					
Fence along landside toe.					

Photo 1 of 1 : FA_2022_NA0010_118_118_20220822_00019.jpg



View of fence on the landside shoulder and toe. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1203	
LM End	4.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.309080 °	37.309080 °	
				-120.924442 °	-120.924442 °	
DWR ID	19607					
Comment Code						
Inspector Comment						
DS_ID:19607 FS_ID:70655 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Barbed wire prevented access to the pipe located on the LS toe. Unpermitted modifications were made to the structure. There appears to be multiple crossings at this location, two 12-inch pipes and 48-inch refurbished pipe. Recommend adding new DSID for the second 12-inch pipe found during field inspection. Portion of concrete headwall visible on the WS toe that corresponds to 48-inch pipe. Recommend contacting owner to determine status of structure and obtain as-builts. No permit was found authorizing these encroachments. CVFPB will need to review crossing to determine owner(s). (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal (CM) gravity drainage pipe through the levee, 14.0 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, (HLM 4.16). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.16)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70655_90661.jpg



Overview of levee crown showing location of burrow hole and alignment of unauthorized 12" 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1203 (cont)
LM End	4.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.309080 °	37.309080 °
				-120.924442 °	-120.924442 °
DWR ID	19607				

Photo 2 of 3 : UCIP_FA_2022_70655_90662.jpg



WS view: Unauthorized 12-inch PVC pipe on WS, approximately 1 foot below levee crown.

LM Start	4.13	Rating **	M	Issue No.	1203 (cont)
LM End	4.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70655_90665.jpg



LS view: Abandoned pipe through 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1204
LM End	4.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.309063 °	37.309063 °
				-120.924449 °	-120.924449 °
DWR ID	24866				
Comment Code					
Inspector Comment					
DS_ID:24866 FS_ID:70656 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Barbed wire prevented access to the pipe located on the LS toe. Unpermitted modifications were made to the structure. There appears to be multiple crossings at this location, two 12-inch pipes and 48-inch refurbished pipe. Recommend contacting owner to determine status of structure and obtain as-builts. No permit was found authorizing these encroachments. CVFPB will need to review crossing to determine owner(s). (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Need to contact owner to get details of crossing. (W. Wylie - DWR UCIP) 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: 10/20/2020					

Photo 1 of 1 : UCIP_FA_2022_70656_90667.jpg



LS view: Location of pipe. Inspection inhibited by barbed wire fencing and dense vegetation

LM Start	4.18	Rating **	C	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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	1205
LM End	4.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID	19608				

Comment Code

Inspector Comment

DS_ID:19608
FS_ID:70657
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 10/20/2020 Record remains Non-Urgent. Fence and dense vegetation prevented full inspection along the WS and LS slopes. Burrowing observed on LS and WS slopes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 4.27). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.27)].
FS Date: 10/20/2020

LM Start	4.25	Rating **	M	Issue No.	1205 (cont)
LM End	4.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70657_90668.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70657_90672.jpg



WS view: Pipe and flapgate visible at WS toe. Further inspection inhibited by barbed wire fencing

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	1205 (cont)
LM End	4.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID	19608				

Photo 3 of 3 : UCIP_FA_2022_70657_90673.jpg



Observed burrowing on limited view of LS and WS slopes

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

LM Start	4.45	Rating **	M	Issue No.	123
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.305895 °	37.302629 °
				-120.920801 °	-120.920927 °
DWR ID	DWR_NA0010_01_f_2022_123				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_123_20221007_00293.jpg



View of vegetation on the landside slope looking upstream. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.54	Rating **	M	Issue No.	124
LM End	4.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304614 °	37.302682 °
				-120.920854 °	-120.920927 °
DWR ID	DWR_NA0010_01_f _ 2022_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.69	Rating **	U	Issue No.	1206	
LM End	4.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.302408 °		37.302408 °
				-120.920931 °		-120.920931 °
DWR ID	19609					
Comment Code						
Inspector Comment						
DS_ID:19609 FS_ID:70658 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 10/20/2020 Record has been updated from Non-Urgent to Urgent. DWR DMP has found integrity issues, LOF, between 5 and 6. Crossing will be monitored until funding becomes available to address. Evidence of the landslide visible on the LS slope from the levee crown. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 10.0 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, (HLM 4.73). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.72)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70658_90676.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.69	Rating **	U	Issue No.	1206 (cont)	
LM End	4.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.302408 °	37.302408 °	
				-120.920931 °	-120.920931 °	
DWR ID	19609					

Photo 2 of 3 : UCIP_FA_2022_70658_90678.jpg



WS view: Pipe and flapgate visible at WS toe

LM Start	4.69	Rating **	U	Issue No.	1206 (cont)
LM End	4.69	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70658_90681.jpg



LS view: land movement/scarp of LS slope at levee crown

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 / Livestock			37.302398 °	37.302398 °
				-120.920920 °	-120.920920 °
DWR ID	DWR_NA0010_01_s_2013_9				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material used to repair the livestock damage in 2021 has eroded away.					

Photo 1 of 1 : FA_2022_NA0010_118_9_20220822_00003.jpg



View of damage to the landside slope from livestock. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	4.77	Rating **	M	Issue No.	107
LM End	5.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.301269 °	37.300396 °
				-120.920660 °	-120.912625 °
DWR ID	DWR_NA0010_01_s_2019_107				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch it roughly 8-15 ft away from levee toe.					

Photo 1 of 1 : FA_2022_NA0010_118_107_20220822_00010.jpg



Looking upstream at an irrigation ditch along the landside toe. (Spring 2020)

LM Start	5.02	Rating **	M	Issue No.	1207	
LM End	5.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.298917 °		37.298917 °
				-120.917262 °		-120.917262 °
DWR ID	19610					
Comment Code						
Inspector Comment						
DS_ID:19610 FS_ID:70659 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Unable to locate inlet on the LS toe. Ditch runs along the LS toe. Ditch was running full and no signs of pipe inlet were visible. This pipe appears to be non-functional--only WS pipe outlet found. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Non-functional -- sediment buildup against flapgate and inlet buried at landward side. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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). Drainage ditch along the LS toe. [Additional Reference(s): DWR Levee Log, 2002, (HLM 5.06). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.05)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70659_90682.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	5.02	Rating **	M	Issue No.	1207 (cont)
LM End	5.02	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.298917 °	37.298917 °	
			-120.917262 °	-120.917262 °	
DWR ID	19610				

Photo 2 of 3 : UCIP_FA_2022_70659_90683.jpg



LS view: Pipe and headwall not visible at LS toe from levee crown

LM Start	5.02	Rating **	M	Issue No.	1207 (cont)
LM End	5.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70659_90685.jpg



LS view: LS pipe and headwall not accessible/visible due to high vegetation

LM Start	5.72	Rating **	U	Issue No.	126
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304094 °	37.304470 °
				-120.907150 °	-120.900095 °
DWR ID	DWR_NA0010_01_f_2022_126				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_126_20221007_00294.jpg



Looking upstream along the landside slope. (Fall 2022)

* 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
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	5.72	Rating **	U	Issue No.	125
LM End	6.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304093 °	37.304471 °
				-120.907149 °	-120.900095 °
DWR ID	DWR_NA0010_01_f _ 2022_125				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_125_20221007_00295.jpg



View of the waterside slope looking upstream. (Fall 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	5.92	Rating **	M	Issue No.	1208	
LM End	5.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.303612 °	37.303612 °	
				-120.903704 °	-120.903704 °	
DWR ID	19611					
Comment Code						
Inspector Comment						
DS_ID:19611 FS_ID:70660 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Depression observed across levee crown, less than 6 inches in depth. Pipe inlet located at the LS toe is completely blocked by soil. This crossing is non-functional. Recommend evaluating the purpose of this drainage structure. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. Recommend reviewing DMP's internal inspection when completed to investigate reason for depression across the levee crown. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 5.96). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.95)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70660_90689.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	5.92	Rating **	M	Issue No.	1208 (cont)
LM End	5.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.303612 °	37.303612 °
				-120.903704 °	-120.903704 °
DWR ID	19611				

Photo 2 of 3 : UCIP_FA_2022_70660_90691.jpg



WS view: Pipe and flapgate visible at WS toe

LM Start	5.92	Rating **	M	Issue No.	1208 (cont)
LM End	5.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70660_90692.jpg



LS view: Headwall at LS toe. Pipe is completely blocked by heavy siltation at LS invert.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.10	Rating **	M	Issue No.	1209	
LM End	6.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.304232 °	37.304232 °	
				-120.900706 °	-120.900706 °	
DWR ID	19612					
Comment Code						
Inspector Comment						
DS_ID:19612 FS_ID:70661 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 6, Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Scour is still present on both sides of the concrete LS headwall. Dense vegetation prevented updates on the scour progression along the LS slope. Recommend re-inspecting pipe when vegetation is removed. Unable to access to WS outlet due to wired fence. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal (CM) gravity drainage pipe through the levee at an angle, 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. [Additional Reference(s): DWR Levee Log, 2002, (HLM 6.13). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.13)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70661_90696.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.10	Rating **	M	Issue No.	1209 (cont)
LM End	6.10	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.304232 °	37.304232 °	
			-120.900706 °	-120.900706 °	
DWR ID	19612				

Photo 2 of 3 : UCIP_FA_2022_70661_90698.jpg



WS view: View of WS toe from levee crown. Headwall, pipe, and flapgate not visible from levee crown.

LM Start	6.10	Rating **	M	Issue No.	1209 (cont)
LM End	6.10	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70661_90697.jpg



LS view: View toward LS toe. Slidegate visible through dense vegetation

LM Start	6.13	Rating **	M	Issue No.	127
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304471 °	37.302883 °
				-120.900095 °	-120.889983 °
DWR ID	DWR_NA0010_01_f_2022_127				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.13	Rating **	M	Issue No.	128
LM End	6.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304471 °	37.301988 °
				-120.900095 °	-120.887610 °
DWR ID	DWR_NA0010_01_f _ 2022_128				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.39	Rating **	M	Issue No.	1210	
LM End	6.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.304459 °	37.304459 °	
				-120.895863 °	-120.895863 °	
DWR ID	19613					
Comment Code						
Inspector Comment						
DS_ID:19613 FS_ID:70662 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Dense vegetation on WS toe, recommend removal for proper inspection. Minor surface erosion visible on the LS toe near the standpipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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 unit 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, (HLM 6.44). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.40)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70662_90702.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.39	Rating **	M	Issue No.	1210 (cont)
LM End	6.39	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.304459 °	37.304459 °	
			-120.895863 °	-120.895863 °	
DWR ID	19613				

Photo 2 of 3 : UCIP_FA_2022_70662_90706.jpg



WS view: Inspection of WS headwall, pipe, and flapgate inhibited by dense vegetation

LM Start	6.39	Rating **	M	Issue No.	1210 (cont)
LM End	6.39	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70662_90703.jpg



LS view: Metal walkway and slidegate 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.61	Rating **	M	Issue No.	1211	
LM End	6.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.303815 °	37.303815 °	
				-120.891955 °	-120.891955 °	
DWR ID	19614					
Comment Code						
Inspector Comment						
DS_ID:19614 FS_ID:70663 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. Dense vegetation inhibits inspection of the pipe on the LS toe, and both slopes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)7/19/2016 Same as previous inspection. Outlet and inlet are under water. (O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 6.65). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.64)]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP_FA_2022_70663_90712.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.61	Rating **	M	Issue No.	1211 (cont)	
LM End	6.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.303815 °	37.303815 °	
				-120.891955 °	-120.891955 °	
DWR ID	19614					

Photo 2 of 3 : UCIP_FA_2022_70663_90713.jpg



LS view: Dense vegetation on LS limiting view of wooden barrier around drop-inlet.

LM Start	6.61	Rating **	M	Issue No.	1211 (cont)
LM End	6.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70663_90708.jpg



WS view: Pipe and flapgate at WS toe not visible from levee crown due to 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.86	Rating **	U	Issue No.	1212
LM End	6.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.302098 °	37.302098 °
				-120.887943 °	-120.887943 °
DWR ID	19615				

Comment Code

Inspector Comment

DS_ID:19615
FS_ID:70664
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 10/20/2020 Record has been updated from Non-Urgent to Urgent. Heavy corrosion present with visible holes found at the WS outlet near flap gate. Surface erosion present on the LS slope just upstream of slide gate. Evidence of surface erosion on the WS slope (vertical slope) was present approximately 15 feet downstream of the pipe. Plastic sheeting has been placed to prevent further erosion by LMA (assumed). Recommend notifying DWR Levee Inspector to monitor progress of surface erosion on the WS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)07/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (O. Magana - DWR UCIP)04/08/2014 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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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, (HLM 6.90). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.90)].
FS Date: 10/20/2020

Photo 1 of 3 : UCIP_FA_2022_70664_90726.jpg



Overview of levee crown, looking US

* 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
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	6.86	Rating **	U	Issue No.	1212 (cont)
LM End	6.86	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.302098 °	37.302098 °	
			-120.887943 °	-120.887943 °	
DWR ID	19615				

Photo 2 of 3 : UCIP_FA_2022_70664_90728.jpg



LS view: Surface erosion above LS headwall

LM Start	6.86	Rating **	U	Issue No.	1212 (cont)
LM End	6.86	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70664_90723.jpg



WS view: Extensive corrosion visible at WS invert

LM Start	7.05	Rating **	M	Issue No.	129
LM End	8.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.300610 °	37.297052 °
				-120.885060 °	-120.855588 °
DWR ID	DWR_NA0010_01_f_2022_129				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	1213
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID	19616				
Comment Code					
Inspector Comment					
DS_ID:19616 FS_ID:70665 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Pipe deeply corroded. Crossing will be monitored until funding becomes available to address. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 7.22). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.21)]. FS Date: 10/20/2020					

Photo 1 of 3 : UCIP_FA_2022_70665_90715.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	1213 (cont)
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.300055 °	37.300055 °	
			-120.882939 °	-120.882939 °	
DWR ID	19616				

Photo 2 of 3 : UCIP_FA_2022_70665_90717.jpg



WS view: Pipe and flapgate at WS toe not visible from levee crown due to vegetation.

LM Start	7.18	Rating **	U	Issue No.	1213 (cont)
LM End	7.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70665_90720.jpg



LS view: Headwall and deeply corroded 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	7.42	Rating **	U	Issue No.	1214
LM End	7.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID	19618				

Comment Code

Inspector Comment

DS_ID:19618
FS_ID:70667
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 10/20/2020 Record has been updated from Non-Urgent to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address. Topography of WS toe has changed over time with sediment build-up preventing proper drainage. At the pipe outlet there is a gradual ground elevation change that causes the water to pond against the flap gate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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, (HLM 7.46). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.46)].
FS Date: 10/20/2020

LM Start	7.42	Rating **	U	Issue No.	1214 (cont)
LM End	7.42	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70667_90738.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70667_90739.jpg



LS view: Headwall not visible at LS toe from levee crown due to 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	7.42	Rating **	U	Issue No.	1214 (cont)
LM End	7.42	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.299817 °	37.299817 °	
			-120.878519 °	-120.878519 °	
DWR ID	19618				

Photo 3 of 3 : UCIP_FA_2022_70667_90736.jpg



WS view: Pipe, flapgate and headwall at WS toe. Flapgate damaged and non-functional

LM Start	7.62	Rating **	M	Issue No.	130
LM End	8.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.299323 °	37.297043 °
				-120.874914 °	-120.855679 °
DWR ID	DWR_NA0010_01_f_2022_130				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	7.65	Rating **	U	Issue No.	1215	
LM End	7.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.299211 °	37.299211 °	
				-120.874415 °	-120.874415 °	
DWR ID	19619					
Comment Code						
Inspector Comment						
DS_ID:19619 FS_ID:70668 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 10/20/2020 Record has been updated from Non-Urgent to Urgent. Sloughing observed on the LS slope above headwall. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 10.0 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, (HLM 7.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.69)]. FS Date: 10/20/2020						

LM Start	7.65	Rating **	U	Issue No.	1215 (cont)
LM End	7.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70668_90744.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70668_90747.jpg



LS view: Headwall at LS toe. Dense vegetation blocking view

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	7.65	Rating **	U	Issue No.	1215 (cont)
LM End	7.65	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.299211 °	37.299211 °	
			-120.874415 °	-120.874415 °	
DWR ID	19619				

Photo 3 of 3 : UCIP_FA_2022_70668_90749.jpg



LS view: Sloughing above headwall and pipe on LS slope

LM Start	8.03	Rating **	M	Issue No.	1216
LM End	8.03	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.298711 °	37.298711 °	
			-120.867756 °	-120.867756 °	
DWR ID	19620				

Comment Code

Inspector Comment

DS_ID:19620
FS_ID:70669
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 10/20/2020 Record remains Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Corrosion in pipe visible on the LS toe. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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, (HLM 8.09). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.07)].
FS Date: 10/20/2020

Photo 1 of 3 : UCIP_FA_2022_70669_90750.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.03	Rating **	M	Issue No.	1216 (cont)
LM End	8.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID	19620				

Photo 2 of 3 : UCIP_FA_2022_70669_90755.jpg



Pipe, flapgate, and headwall at WS toe

LM Start	8.03	Rating **	M	Issue No.	1216 (cont)
LM End	8.03	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70669_90753.jpg



Headwall and pipe at LS toe. Visible corrosion in 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.38	Rating **	M	Issue No.	1217
LM End	8.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID	19621				

Comment Code

Inspector Comment

DS_ID:19621
FS_ID:70670
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 10/20/2020 Record remains Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 8.43). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.41)]. FS Date: 10/20/2020

LM Start	8.38	Rating **	M	Issue No.	1217 (cont)
LM End	8.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70670_90757.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70670_90756.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.38	Rating **	M	Issue No.	1217 (cont)
LM End	8.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID	19621				

Photo 3 of 3 : UCIP_FA_2022_70670_90762.jpg



LS view: Pipe, headwall, and slope from LS toe

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 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.57	Rating **	M	Issue No.	1218
LM End	8.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.296552 °	37.296552 °
				-120.858596 °	-120.858596 °
DWR ID	19622				

Comment Code

Inspector Comment

DS_ID:19622
FS_ID:70672
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 10/20/2020 Record has been updated from No Action Needed to Non-Urgent. Large burrow hole observed approximately 100 feet downstream of the pipe, on LS shoulder of the levee crown. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 9.0 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, (HLM 8.62). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.61)].
FS Date: 10/20/2020

LM Start	8.57	Rating **	M	Issue No.	1218 (cont)
LM End	8.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70672_90770.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70672_90772.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.57	Rating **	M	Issue No.	1218 (cont)
LM End	8.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.296552 °	37.296552 °	
			-120.858596 °	-120.858596 °	
DWR ID	19622				

Photo 3 of 3 : UCIP_FA_2022_70672_90773.jpg



LS view: Pipe and headwall on LS toe

LM Start	8.89	Rating **	M	Issue No.	1219
LM End	8.89	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.297296 °	37.297296 °	
			-120.852871 °	-120.852871 °	
DWR ID	19623				

Comment Code

Inspector Comment

DS_ID:19623
 FS_ID:70673
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 10/20/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 8.95). USACE San Joaquin O&M, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.93)].
 FS Date: 10/20/2020

Photo 1 of 3 : UCIP_FA_2022_70673_90778.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.89	Rating **	M	Issue No.	1219 (cont)
LM End	8.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID	19623				

Photo 2 of 3 : UCIP_FA_2022_70673_90777.jpg



WS view: Pipe, flapgate, headwall, and slope at WS toe

LM Start	8.89	Rating **	M	Issue No.	1219 (cont)
LM End	8.89	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70673_90781.jpg



LS view: Pipe, headwall, and slope 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.97	Rating **	U	Issue No.	1220
LM End	8.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297423 °	37.297423 °
				-120.851575 °	-120.851575 °
DWR ID	19624				
Comment Code					
Inspector Comment					
DS_ID:19624 FS_ID:70674 EP_NO: 12156 Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Urgent. There is no operating gate that will prevent flows from the WS to LS. Dense vegetation prevented a full inspection of this crossing. 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. DWR DMP has completed a geophysical study in this area and plans to complete an internal inspection of this pipe. The pipe is scheduled for an internal inspection in 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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)07/19/2016 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. (O. Magana - DWR UCIP)04/09/2014 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch reinforced concrete (RC) gravity drainage pipe containing a 26-inch steel pipe through the levee, 7.3 feet below the crown. Annular space grouted. 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. (30-inch drainage pipe with a valve 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, (HLM 9.01)]. FS Date: 10/20/2020					

Photo 1 of 3 : UCIP_FA_2022_70674_90783.jpg



LS view: View of LS toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.97	Rating **	U	Issue No.	1220 (cont)
LM End	8.97	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.297423 °	37.297423 °	
			-120.851575 °	-120.851575 °	
DWR ID	19624				

Photo 2 of 3 : UCIP_FA_2022_70674_90784.jpg



WS view: View toward WS toe

LM Start	8.97	Rating **	U	Issue No.	1220 (cont)
LM End	8.97	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_70674_90786.jpg



WS view: Elevated walkway across 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.97	Rating **	M	Issue No.	1221
LM End	8.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.297425 °	37.297425 °
				-120.851522 °	-120.851522 °
DWR ID	19625				
Comment Code					
Inspector Comment					
DS_ID:19625 FS_ID:70675 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/20/2020 Record remains Non-Urgent. As in previous inspection, dense vegetation inhibited proper inspection of the pipe and slope. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) gravity drainage pipe through the levee, 10.0 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, (HLM 9.01). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.00)]. FS Date: 10/20/2020					

LM Start	8.97	Rating **	M	Issue No.	1221 (cont)
LM End	8.97	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70675_90789.jpg



LS view: View toward LS toe. Headwall not visible due to high vegetation.

Photo 2 of 3 : UCIP_FA_2022_70675_90790.jpg



LS view: Headwall not visible due to high vegetation on LS toe and 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.97	Rating **	M	Issue No.	1221 (cont)
LM End	8.97	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.297425 °	37.297425 °	
			-120.851522 °	-120.851522 °	
DWR ID	19625				

Photo 3 of 3 : UCIP_FA_2022_70675_92420.jpg



WS view: pipe visible through dense vegetation.

LM Start	8.99	Rating **	M	Issue No.	1222
LM End	8.99	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.297488 °	37.297488 °	
			-120.851157 °	-120.851157 °	
DWR ID	19626				

Comment Code

Inspector Comment

DS_ID:19626
 FS_ID:70676
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 10/21/2020 Record remains Non-Urgent. Dense vegetation inhibited proper inspection of pipe condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 10.0 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, (HLM 9.03). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.03)].
 FS Date: 10/21/2020

Photo 1 of 3 : UCIP_FA_2022_70676_90906.jpg



Overview of levee crown looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	8.99	Rating **	M	Issue No.	1222 (cont)
LM End	8.99	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.297488 °	37.297488 °	
			-120.851157 °	-120.851157 °	
DWR ID	19626				

Photo 2 of 3 : UCIP_FA_2022_70676_90907.jpg



LS view: overview of LS

LM Start	8.99	Rating **	M	Issue No.	1222 (cont)
LM End	8.99	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70676_90909.jpg



WS view: overview of WS

LM Start	9.00	Rating **	U	Issue No.	131
LM End	9.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297505 °	37.294935 °
				-120.851055 °	-120.840629 °
DWR ID	DWR_NA0010_01_f_2022_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_131_20221007_00297.jpg



View of vegetation growing on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	9.00	Rating **	U	Issue No.	137
LM End	9.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297506 °	37.294935 °
				-120.851008 °	-120.840629 °
DWR ID	DWR_NA0010_01_f _ 2022_137				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_137_20221007_00298.jpg



View of the waterside slope looking upstream. (Fall 2022)

LM Start	9.34	Rating **	U	Issue No.	1223
LM End	9.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.295413 °	37.295413 °
				-120.845664 °	-120.845664 °
DWR ID	19627				
Comment Code					
Inspector Comment					
DS_ID:19627 FS_ID:70677 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 10/21/2020 Record has been updated from Non-Urgent to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Scouring observed about 2 feet downstream of pipe at WS toe. Crossing will be monitored until funding becomes available to address. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 9.39). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.37)]. FS Date: 10/21/2020					

Photo 1 of 3 : UCIP_FA_2022_70677_90910.jpg



Overview 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	9.34	Rating **	U	Issue No.	1223 (cont)
LM End	9.34	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.295413 °	37.295413 °	
			-120.845664 °	-120.845664 °	
DWR ID	19627				

Photo 2 of 3 : UCIP_FA_2022_70677_90911.jpg



LS view: View of LS slope from levee crown

LM Start	9.34	Rating **	U	Issue No.	1223 (cont)
LM End	9.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70677_90914.jpg



WS view: Pipe and flapgate at WS toe

LM Start	9.56	Rating **	M	Issue No.	101
LM End	9.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.295541 °	37.295541 °
				-120.841739 °	-120.841739 °
DWR ID	DWR_NA0010_01_f_2020_101				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_101_20220822_00007.jpg



Rodent burrows in the landside slope. (Fall 2020)

* 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	

Lower San Joaquin Levee District

No Photos

No Photos

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	9.64	Rating **	M	Issue No.	1224
LM End	9.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.294845 °	37.294845 °
				-120.840580 °	-120.840580 °
DWR ID	19628				
Comment Code					
Inspector Comment					
DS_ID:19628 FS_ID:70678 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 9.68). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.67)]. FS Date: 10/21/2020					

LM Start	9.64	Rating **	M	Issue No.	1224 (cont)
LM End	9.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70678_90915.jpg



Overview of levee crown

Photo 2 of 3 : UCIP_FA_2022_70678_90917.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	9.64	Rating **	M	Issue No.	1224 (cont)
LM End	9.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.294845 °	37.294845 °
				-120.840580 °	-120.840580 °
DWR ID	19628				

Photo 3 of 3 : UCIP_FA_2022_70678_90920.jpg



LS view: Pipe and headwall at LS 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	Crown Surface / Depressions / Rutting			37.291796 °	37.291581 °
				-120.839497 °	-120.839718 °
DWR ID	DWR_NA0010_01 f _ 2017_112				

Comment Code

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

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_2022_NA0010_118_112_20220822_00013.jpg



Looking east at the levee breach. (Fall 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	9.89	Rating **	M	Issue No.	1225
LM End	9.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.291667 °	37.291667 °
				-120.839224 °	-120.839224 °
DWR ID	19556				
Comment Code					
Inspector Comment					
DS_ID:19556 FS_ID:70680 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 10/21/2020 Record has been updated from No Action Needed to Non-Urgent. No levee present at this location. Pipe referenced at this location does not exist. Only found two culverts at grade in the WS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 6.0 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 70 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002, (HLM 9.91). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.93)]. FS Date: 10/21/2020					

LM Start	9.89	Rating **	M	Issue No.	1225 (cont)
LM End	9.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70680_91045.jpg



Overview of area looking upstream at levee breach.

Photo 2 of 3 : UCIP_FA_2022_70680_91047.jpg



Culverts underneath access road visible on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	9.89	Rating **	M	Issue No.	1225 (cont)
LM End	9.89	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.291667 °	37.291667 °	
			-120.839224 °	-120.839224 °	
DWR ID	19556				

Photo 3 of 3 : UCIP_FA_2022_70680_91049.jpg



Culverts visible past access road.

LM Start	9.93	Rating **	M	Issue No.	103
LM End	10.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.291176 °	37.289870 °
				-120.839636 °	-120.840563 °
DWR ID	DWR_NA0010_01_f _ 2021_103				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

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 1 : FA_2022_NA0010_118_120_20220822_00020.jpg



View of rodent burrow in the 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

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

LM Start	10.20	Rating **	M	Issue No.	1226	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.287511 °	37.287511 °	
				-120.840251 °	-120.840251 °	
DWR ID	19629					
Comment Code						
Inspector Comment						
DS_ID:19629 FS_ID:70681 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (W. Wylie - UCIP DMP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 9.0 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, (HLM 10.24). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.23)]. FS Date: 10/21/2020						

Photo 1 of 3 : UCIP_FA_2022_70681_90922.jpg



Overview 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	10.20	Rating **	M	Issue No.	1226 (cont)
LM End	10.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.287511 °	37.287511 °
				-120.840251 °	-120.840251 °
DWR ID	19629				

Photo 2 of 3 : UCIP_FA_2022_70681_90923.jpg



WS view: Pipe and flapgate visible at WS toe

LM Start	10.20	Rating **	M	Issue No.	1226 (cont)
LM End	10.20	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70681_90925.jpg



LS view: LS toe and pipe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	10.68	Rating **	M	Issue No.	1227
LM End	10.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.283740 °	37.283740 °
				-120.833452 °	-120.833452 °
DWR ID	19630				

Comment Code

Inspector Comment

DS_ID:19630
FS_ID:70682
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 10/21/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 7.0 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, (HLM 10.73). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.72)].
FS Date: 10/21/2020

LM Start	10.68	Rating **	M	Issue No.	1227 (cont)
LM End	10.68	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70682_90999.jpg



Overview of levee crown looking upstream

Photo 2 of 2 : UCIP_FA_2022_70682_91003.jpg



LS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	10.69	Rating **	M	Issue No.	1228
LM End	10.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.283710 °	37.283710 °
				-120.833329 °	-120.833329 °
DWR ID	19631				
Comment Code					
Inspector Comment					
DS_ID:19631 FS_ID:70683 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 10/21/2020 Record has been updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Pipe material changes from CMP on the WS to concrete on the LS. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 7.0 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). Pipe material changes from CMP on the WS to concrete on the LS. [Additional Reference(s): DWR Levee Log, 2002, (HLM 10.74). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.72)]. FS Date: 10/21/2020					

LM Start	10.69	Rating **	M	Issue No.	1228 (cont)
LM End	10.69	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70683_91009.jpg



Overview of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2022_70683_91010.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	10.69	Rating **	M	Issue No.	1228 (cont)
LM End	10.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.283710 °	37.283710 °
				-120.833329 °	-120.833329 °
DWR ID	19631				

Photo 3 of 3 : UCIP_FA_2022_70683_91013.jpg



LS view: internal view of concrete pipe located on WS.

LM Start	10.90	Rating **	U	Issue No.	133
LM End	10.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.282911 °	37.282911 °
				-120.829665 °	-120.829665 °
DWR ID	DWR_NA0010_01_s_2022_133				
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_2022_NA0010_118_133_20220822_00021.jpg



View of rodent burrows on the waterside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	10.98	Rating **	M	Issue No.	1229	
LM End	10.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.282627 °	37.282627 °	
				-120.828233 °	-120.828233 °	
DWR ID	19632					
Comment Code						
Inspector Comment						
DS_ID:19632 FS_ID:70684 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Dense vegetation previously recorded in the 2014 UCIP inspection has been cleared. (B. Singh - GEI, O. Magana - DWR UCIP)04/09/2014 Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 6.0 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, (HLM 11.02). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.00)]. FS Date: 10/21/2020						

LM Start	10.98	Rating **	M	Issue No.	1229 (cont)
LM End	10.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70684_90929.jpg



Overview of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2022_70684_90933.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	10.98	Rating **	M	Issue No.	1229 (cont)
LM End	10.98	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.282627 °	37.282627 °	
			-120.828233 °	-120.828233 °	
DWR ID	19632				

Photo 3 of 3 : UCIP_FA_2022_70684_90928.jpg



LS view: Pipe interior from LS toe

LM Start	11.14	Rating **	M	Issue No.	1230
LM End	11.14	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.281813 °	37.281813 °	
			-120.825409 °	-120.825409 °	
DWR ID	19633				

Comment Code

Inspector Comment

DS_ID:19633
 FS_ID:70685
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 10/21/2020 Record has been updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 5.0 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, (HLM 11.20). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.18)].
 FS Date: 10/21/2020

Photo 1 of 3 : UCIP_FA_2022_70685_90935.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	11.14	Rating **	M	Issue No.	1230 (cont)
LM End	11.14	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.281813 °	37.281813 °	
			-120.825409 °	-120.825409 °	
DWR ID	19633				

Photo 2 of 3 : UCIP_FA_2022_70685_90938.jpg



LS view: Pipe and headwall at LS toe

LM Start	11.14	Rating **	M	Issue No.	1230 (cont)
LM End	11.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70685_90934.jpg



WS view: Pipe, flapgate, and headwall at WS toe

LM Start	11.37	Rating **	M	Issue No.	151
LM End	11.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.275481 °	37.275481 °
				-120.826042 °	-120.826042 °
DWR ID	DWR_NA0010_01_s_2020_151				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_151_20220822_00024.jpg



Rodent burrows in the landside slope. (Spring 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	11.37	Rating **	M	Issue No.	1231
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.275518 °	37.275518 °
				-120.826052 °	-120.826052 °
DWR ID	19814				
Comment Code					
Inspector Comment					
DS_ID:19814 FS_ID:70686 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record has been updated from No Action Needed to Non-Urgent. Steep slopes prevented further inspection of the WS and LS toes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 12.0 feet below the crown. Two metal cutoff walls. Flap gate, concrete saddle, and apron 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, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (recorded as Unit 6, HLM 0.05, should be Unit 1, HLM 11.37)]. FS Date: 10/21/2020					

Photo 1 of 3 : UCIP_FA_2022_70686_90940.jpg



Overview of levee crown looking upstream.

LM Start	11.37	Rating **	M	Issue No.	1231 (cont)
LM End	11.37	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_70686_90943.jpg



LS view: overview of LS 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	11.37	Rating **	M	Issue No.	1231 (cont)
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.275518 °	37.275518 °	
			-120.826052 °	-120.826052 °	
DWR ID	19814				

Photo 3 of 3 : UCIP_FA_2022_70686_90942.jpg



WS view: overview of WS slope. Pipe and flapgate visible

LM Start	11.49	Rating **	M	Issue No.	1232
LM End	11.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.273787 °	37.273787 °	
			-120.825519 °	-120.825519 °	
DWR ID	19634				

Comment Code

Inspector Comment

DS_ID:19634
 FS_ID:70687
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 5, Pipe Damage
 Crossing Status: Found
 UCIP Comments: 10/21/2020 Record remains Non-Urgent. Dense vegetation inhibited inspection of pipe and headwall on the LS toe. DWR DMP has found integrity issues, LOF between 4 and 5. Unable to locate pipe inlet on along the LS toe. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 10.0 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, (HLM 11.48). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48)].
 FS Date: 10/21/2020

Photo 1 of 3 : UCIP_FA_2022_70687_92836.jpg



Overview of levee crown looking upstream towards pipe crossing, photo 1 of 2.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	1232 (cont)
LM End	11.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.273787 °	37.273787 °	
			-120.825519 °	-120.825519 °	
DWR ID	19634				

Photo 2 of 3 : UCIP_FA_2022_70687_90946.jpg



Overview of levee crown looking upstream towards pipe crossing, photo 2 of 2.

LM Start	11.49	Rating **	M	Issue No.	1232 (cont)
LM End	11.49	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70687_90947.jpg



WS view: overview of WS.

LM Start	11.53	Rating **	M	Issue No.	136
LM End	11.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.273150 °	37.273150 °
				-120.825630 °	-120.825630 °
DWR ID	DWR_NA0010_01_s_2021_136				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodents and burrows observed on landside slope and levee crown 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

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					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Single old rodent burrow. Appears to be caving in near the entrance. LMA should backfill and compact hole.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	1233
LM End	11.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.269657 °	37.269657 °
				-120.826471 °	-120.826471 °
DWR ID	19635				
Comment Code					
Inspector Comment					
DS_ID:19635 FS_ID:70688 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. DWR DMP geophysics study found evidence of pipe at 37.269697, -120.826430 (modified levee mile coordinates 37.269657, -120.826471 using UCIP calculator). Pipe and flap gate previously found on the WS toe were covered by dry vegetation preventing proper UCIP inspection. Recommend removal of excess vegetation to conduct a proper inspection of this structure through the levee. The pipe inlet and concrete headwall are buried on the LS toe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 17.0 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, (HLM 11.77). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.76)]. FS Date: 10/21/2020					

Photo 1 of 3 : UCIP_FA_2022_70688_90950.jpg



Overview 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	1233 (cont)
LM End	11.78	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.269657 °	37.269657 °	
			-120.826471 °	-120.826471 °	
DWR ID	19635				

Photo 2 of 3 : UCIP_FA_2022_70688_90954.jpg



WS view: Pipe covered by vegetation at WS toe

LM Start	11.78	Rating **	M	Issue No.	1233 (cont)
LM End	11.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70688_90955.jpg



LS view: Pipe and headwall blocked by debris 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	1234	
LM End	12.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.265336 °	37.265336 °	
				-120.826591 °	-120.826591 °	
DWR ID	19636					
Comment Code						
Inspector Comment						
DS_ID:19636 FS_ID:70689 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. Dense vegetation inhibited proper inspection of the pipe on the LS and WS toes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 12.12). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.11)]. FS Date: 10/21/2020						

LM Start	12.12	Rating **	M	Issue No.	1234 (cont)
LM End	12.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70689_90956.jpg



Overview of levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_70689_90960.jpg



WS view: dense vegetation near 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	1234 (cont)
LM End	12.12	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.265336 °	37.265336 °	
			-120.826591 °	-120.826591 °	
DWR ID	19636				

Photo 3 of 3 : UCIP_FA_2022_70689_90961.jpg



LS view: view of LS slope

LM Start	12.24	Rating **	A/W	Issue No.	135
LM End	12.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.263732 °	37.263732 °
				-120.827306 °	-120.827306 °
DWR ID	DWR_NA0010_01_s_2022_135				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_135_20220822_00023.jpg



Livestock caused erosion on the landside slope. (Spring 2022)

LM Start	12.75	Rating **	M	Issue No.	140
LM End	14.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258331 °	37.236529 °
				-120.824299 °	-120.810018 °
DWR ID	DWR_NA0010_01_f_2022_140				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	12.76	Rating **	M	Issue No.	141
LM End	14.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258263 °	37.236528 °
				-120.824023 °	-120.810022 °
DWR ID	DWR_NA0010_01_f_2022_141				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.95	Rating **	M	Issue No.	1235	
LM End	12.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.256873 °	37.256873 °	
				-120.821277 °	-120.821277 °	
DWR ID	19637					
Comment Code						
Inspector Comment						
DS_ID:19637 FS_ID:70690 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Proper inspection inhibited by dense vegetation. Recommend vegetation removal along pipe alignment. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 12.95). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.94)]. FS Date: 10/21/2020						

Photo 1 of 3 : UCIP_FA_2022_70690_90966.jpg



WS view: dense vegetation along WS toe. Pipe and flap gate 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	12.95	Rating **	M	Issue No.	1235 (cont)
LM End	12.95	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.256873 °	37.256873 °	
			-120.821277 °	-120.821277 °	
DWR ID	19637				

Photo 2 of 3 : UCIP_FA_2022_70690_90964.jpg



LS view: dense vegetation along LS toe. No pipe visible.

LM Start	12.95	Rating **	M	Issue No.	1235 (cont)
LM End	12.95	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70690_90962.jpg



Overview of levee crown looking downstream towards pipe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	13.49	Rating **	M	Issue No.	1236	
LM End	13.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.251590 °		37.251590 °
				-120.814354 °		-120.814354 °
DWR ID	19638					
Comment Code						
Inspector Comment						
DS_ID:19638 FS_ID:70691 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 13.48). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.48)]. FS Date: 10/21/2020						

LM Start	13.49	Rating **	M	Issue No.	1236 (cont)
LM End	13.49	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70691_90969.jpg



WS view: pipe and flapgate visible at WS toe

Photo 2 of 2 : UCIP_FA_2022_70691_90970.jpg



LS view: overview of LS 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	1237	
LM End	13.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.250138 °	37.250138 °	
				-120.814720 °	-120.814720 °	
DWR ID	19639					
Comment Code						
Inspector Comment						
DS_ID:19639 FS_ID:70692 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 13.58). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.58)]. FS Date: 10/21/2020						

LM Start	13.59	Rating **	M	Issue No.	1237 (cont)
LM End	13.59	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70692_90971.jpg



Overview of levee crown looking downstream towards crossing.

Photo 2 of 3 : UCIP_FA_2022_70692_90974.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	1237 (cont)
LM End	13.59	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.250138 °	37.250138 °	
			-120.814720 °	-120.814720 °	
DWR ID	19639				

Photo 3 of 3 : UCIP_FA_2022_70692_90975.jpg



WS view: overview looking towards drainage past pipe outlet.

LM Start	13.82	Rating **	M	Issue No.	1238
LM End	13.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.247568 °	37.247568 °	
			-120.817074 °	-120.817074 °	
DWR ID	19640				

Comment Code

Inspector Comment

DS_ID:19640
 FS_ID:70693
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Indicator Found
 UCIP Comments: 10/21/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 11.0 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, (HLM 13.83). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.81)].
 FS Date: 10/21/2020

Photo 1 of 3 : UCIP_FA_2022_70693_90984.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	13.82	Rating **	M	Issue No.	1238 (cont)
LM End	13.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.247568 °	37.247568 °
				-120.817074 °	-120.817074 °
DWR ID	19640				

Photo 2 of 3 : UCIP_FA_2022_70693_90982.jpg



LS view: Pipe and headwall at LS toe

LM Start	13.82	Rating **	M	Issue No.	1238 (cont)
LM End	13.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70693_90977.jpg



Overview of levee crown looking downstream towards 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	14.22	Rating **	M	Issue No.	1239
LM End	14.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID	19641				
Comment Code					
Inspector Comment					
DS_ID:19641 FS_ID:70694 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/21/2020 Record remains Non-Urgent. Dense vegetation at LS and WS toes inhibited proper inspection. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 13.0 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, (HLM 14.22). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.21)]. FS Date: 10/21/2020					

LM Start	14.22	Rating **	M	Issue No.	1239 (cont)
LM End	14.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70694_90986.jpg



Overview of levee crown looking upstream towards pipe crossing.

Photo 2 of 3 : UCIP_FA_2022_70694_90988.jpg



LS view: overview of 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	14.22	Rating **	M	Issue No.	1239 (cont)
LM End	14.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.242225 °	37.242225 °	
			-120.817665 °	-120.817665 °	
DWR ID	19641				

Photo 3 of 3 : UCIP_FA_2022_70694_90985.jpg



WS view: Pipe and flapgate visible through dense vegetation

LM Start	14.65	Rating **	M	Issue No.	1240
LM End	14.65	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.237584 °	37.237584 °	
			-120.812967 °	-120.812967 °	
DWR ID	19642				

Comment Code

Inspector Comment

DS_ID:19642
 FS_ID:70695
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 10/21/2020 Record remains Non-Urgent. Dense vegetation along the pipe alignment prevented proper inspection of the levee and pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 14.65). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.65)].
 FS Date: 10/21/2020

Photo 1 of 3 : UCIP_FA_2022_70695_90992.jpg



Overview of levee crown looking downstream toward 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	14.65	Rating **	M	Issue No.	1240 (cont)
LM End	14.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.237584 °	37.237584 °
				-120.812967 °	-120.812967 °
DWR ID	19642				

Photo 2 of 3 : UCIP_FA_2022_70695_90995.jpg



LS view: overview of LS

LM Start	14.65	Rating **	M	Issue No.	1240 (cont)
LM End	14.65	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70695_90997.jpg



WS view: overview 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	15.29	Rating **	M	Issue No.	1241
LM End	15.29	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.231428 °	37.231428 °	
			-120.805543 °	-120.805543 °	
DWR ID	19643				

Comment Code

Inspector Comment

DS_ID:19643
FS_ID:70696
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Dense vegetation on LS toe limited inspection of pipe. Significant burrowing observed on LS and WS slopes. Recommend vegetation removal and rodent mitigation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 15.31). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.29)].
FS Date: 11/16/2020

LM Start	15.29	Rating **	M	Issue No.	1241 (cont)
LM End	15.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70696_90792.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70696_90794.jpg



WS view: close-up view of 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	15.29	Rating **	M	Issue No.	1241 (cont)
LM End	15.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID	19643				

Photo 3 of 3 : UCIP_FA_2022_70696_92867.jpg



LS view: profile view of LS slope

LM Start	15.47	Rating **	M	Issue No.	142
LM End	17.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.229522 °	37.216011 °
				-120.803616 °	-120.778959 °
DWR ID	DWR_NA0010_01_f_2022_142				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	1242
LM End	15.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.228155 °	37.228155 °
				-120.802645 °	-120.802645 °
DWR ID	19644				
Comment Code					
Inspector Comment					
DS_ID:19644 FS_ID:70697 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 11/16/2020 Recor remains Non-Urgent. Dense vegetation on LS toe and slope inhibited proper inspection of pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (O. Magana - DWR UCIP, B. Singh - GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 15.57). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.57)]. FS Date: 11/16/2020					

LM Start	15.58	Rating **	M	Issue No.	1242 (cont)
LM End	15.58	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70697_90797.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70697_90798.jpg



WS view: overview of WS. Pipe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	1242 (cont)
LM End	15.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.228155 °	37.228155 °	
			-120.802645 °	-120.802645 °	
DWR ID	19644				

Photo 3 of 3 : UCIP_FA_2022_70697_90799.jpg



LS view: Headwall at LS toe. Dense vegetation inhibited proper inspection of pipe.

LM Start	15.82	Rating **	M	Issue No.	1243
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.226099 °	37.226099 °	
			-120.799125 °	-120.799125 °	
DWR ID	19645				

Comment Code

Inspector Comment

DS_ID:19645
FS_ID:70698
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Corrosion observed in pipe inlet on the LS toe. Recommend internal inspection of the pipe through the levee to determine extent of damage. Some burrowing activity found on both LS and WS slope. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 11.0 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, (HLM 15.82). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.81)]. FS Date: 11/16/2020

Photo 1 of 3 : UCIP_FA_2022_70698_90803.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	1243 (cont)
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.226099 °	37.226099 °	
			-120.799125 °	-120.799125 °	
DWR ID	19645				

Photo 2 of 3 : UCIP_FA_2022_70698_90806.jpg



WS view: pipe, flapgate, and headwall at WS toe

LM Start	15.82	Rating **	M	Issue No.	1243 (cont)
LM End	15.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70698_90801.jpg



LS view: pipe corrosion visible at invert of pipe at LS toe

LM Start	15.83	Rating **	M	Issue No.	144
LM End	15.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.226023 °	37.226023 °
				-120.799043 °	-120.799043 °
DWR ID	DWR_NA0010_01_f_2022_144				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_144_20221007_00299.jpg



View of dead tree fallen on the landside toe and slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	15.88	Rating **	M	Issue No.	143
LM End	17.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.225427 °	37.216011 °
				-120.798333 °	-120.778959 °
DWR ID	DWR_NA0010_01_f _ 2022_143				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	16.09	Rating **	U	Issue No.	1244
LM End	16.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.224157 °	37.224157 °
				-120.795250 °	-120.795250 °
DWR ID	19646				
Comment Code					
Inspector Comment					
DS_ID:19646 FS_ID:70699 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 11/16/2020 Record has been updated from Non-Urgent to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address. Burrowing activity observed on LS and WS slopes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 16.09). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.09)]. FS Date: 11/16/2020					

Photo 1 of 3 : UCIP_FA_2022_70699_92966.jpg



Overview of levee looking upstream towards 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	16.09	Rating **	U	Issue No.	1244 (cont)
LM End	16.09	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.224157 °	37.224157 °	
			-120.795250 °	-120.795250 °	
DWR ID	19646				

Photo 2 of 3 : UCIP_FA_2022_70699_92965.jpg



WS view: concrete wingwall and pipe with flap gate visible on WS toe.

LM Start	16.09	Rating **	U	Issue No.	1244 (cont)
LM End	16.09	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70699_92964.jpg



LS view: concrete headwall with pipe inlet 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	16.15	Rating **	M	Issue No.	1245
LM End	16.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID	19647				

Comment Code

Inspector Comment

DS_ID:19647
FS_ID:70700
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Pipe and flapgate on WS toe were under water and there is dense vegetation on the LS slope and toe, inhibiting inspection. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection status is pending. Contacted A. Asrate with DMP staff to find out internal inspection results from 2020. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 16.16). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.15)].
FS Date: 11/16/2020

LM Start	16.15	Rating **	M	Issue No.	1245 (cont)
LM End	16.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70700_92979.jpg



Overview of levee crown looking upstream towards pipe crossing.

Photo 2 of 3 : UCIP_FA_2022_70700_92980.jpg



LS view: overview of 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	16.15	Rating **	M	Issue No.	1245 (cont)
LM End	16.15	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.224120 °	37.224120 °	
			-120.794002 °	-120.794002 °	
DWR ID	19647				

Photo 3 of 3 : UCIP_FA_2022_70700_92978.jpg



WS view: overview of WS.

LM Start	16.72	Rating **	M	Issue No.	1246
LM End	16.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.224233 °	37.224233 °	
			-120.783711 °	-120.783711 °	
DWR ID	19649				

Comment Code

Inspector Comment

DS_ID:19649
 FS_ID:70701
 EP_NO: 13549
 Repair Type: Non-Urgent
 EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit
 Crossing Status: Not Found
 UCIP Comments: 11/16/2020 Record remains Non-Urgent. Gravity drainage pipe through the levee, 2 feet below the crown, was measured at 12 inches instead of 30 inches pipe. Pump and concrete standpipe at the center of the levee were not found, and a siphon breaker was not found on the LS shoulder. Recommend a detail review of permit and record files to determine what was constructed at this location and the alignment of the pipe. Need to contact owner to obtain permit authorizing modifications to previously approved 30-inch pipe. (B. Singh - GEI, O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch coated steel irrigation discharge pipe through the levee, 2.0 feet below the crown. Steel cutoff walls around the pipe at the center of the levee. Siphon breaker on the apex of the pipe on the landside (LS) shoulder. Pump and concrete standpipe on the waterside (WS). Pipe extends to existing irrigation ditch off the LS toe. (Concrete irrigation pipe stand, 60-horsepower [hp] pump, 30-inch steel pipe, and enlarged diversion channel from the river to the pump intake authorized under Permit No. 13549, 1983 - Joseph E. Gallo).
 [Additional Reference(s): DWR Levee Log, 2002, (HLM 16.73)].
 FS Date: 11/16/2020

Photo 1 of 3 : UCIP_FA_2022_70701_90813.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	16.72	Rating **	M	Issue No.	1246 (cont)
LM End	16.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.224233 °	37.224233 °	
			-120.783711 °	-120.783711 °	
DWR ID	19649				

Photo 2 of 3 : UCIP_FA_2022_70701_90814.jpg



WS view: overview of WS. Pipe not found at WS toe and dense vegetation.

LM Start	16.72	Rating **	M	Issue No.	1246 (cont)
LM End	16.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_70701_90815.jpg



LS view: overview of LS. Concrete cone with 12" pipe found.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID	19648				

Comment Code

Inspector Comment

DS_ID:19648
FS_ID:70703
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Unable to locate pipe on both LS and WS toes due to dense vegetation. Recommend vegetation removal for proper inspections. DWR DMP internal inspection is pending and scheduled for 2021. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 16.73). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.72)].
FS Date: 11/16/2020

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

Photo 1 of 3 : UCIP_FA_2022_70703_90820.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70703_90821.jpg



WS view: overview of WS. Pipe and flapgate not found; dense vegetation.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility		37.224223 °	37.224223 °	
			-120.783806 °	-120.783806 °	
DWR ID	19648				

Photo 3 of 3 : UCIP_FA_2022_70703_90823.jpg



LS view: view from LS toe, looking US. Pipe and headwall not found on LS toe.

LM Start	17.01	Rating **	M	Issue No.	1248
LM End	17.01	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.221838 °	37.221838 °	
			-120.780230 °	-120.780230 °	
DWR ID	19577				

Comment Code

Inspector Comment

DS_ID:19577
 FS_ID:70704
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 11/16/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 17.01). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.01)].
 FS Date: 11/16/2020

Photo 1 of 3 : UCIP_FA_2022_70704_90825.jpg



Overview of levee crown, looking US

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	17.01	Rating **	M	Issue No.	1248 (cont)
LM End	17.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID	19577				

Photo 2 of 3 : UCIP_FA_2022_70704_90827.jpg



LS view: slope above pipe and headwall from LS toe

LM Start	17.01	Rating **	M	Issue No.	1248 (cont)
LM End	17.01	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70704_90829.jpg



LS view: minor damage to headwall concrete 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	1249
LM End	17.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.219302 °	37.219302 °
				-120.779475 °	-120.779475 °
DWR ID	19578				
Comment Code					
Inspector Comment					
DS_ID:19578 FS_ID:70705 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 11/16/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 17.20). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.19)]. FS Date: 11/16/2020					

LM Start	17.19	Rating **	M	Issue No.	1249 (cont)
LM End	17.19	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70705_93002.jpg



Overview of levee crown looking upstream towards pipe crossing.

Photo 2 of 3 : UCIP_FA_2022_70705_93001.jpg



WS view: close up of flap gate, pipe, and 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	1249 (cont)
LM End	17.19	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.219302 °	37.219302 °	
			-120.779475 °	-120.779475 °	
DWR ID	19578				

Photo 3 of 3 : UCIP_FA_2022_70705_93005.jpg



LS view: dense vegetation along LS toe.

LM Start	17.26	Rating **	M	Issue No.	1250
LM End	17.26	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.218332 °	37.218332 °	
			-120.779459 °	-120.779459 °	
DWR ID	19579				

Comment Code

Inspector Comment

DS_ID:19579
 FS_ID:70706
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 11/16/2020 Record remains Non-Urgent. Debris is blocking flapgate on the WS inlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 17.27). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.26)].
 FS Date: 11/16/2020

Photo 1 of 3 : UCIP_FA_2022_70706_90834.jpg



Overview of levee crown looking upstream towards 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	17.26	Rating **	M	Issue No.	1250 (cont)
LM End	17.26	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.218332 °	37.218332 °	
			-120.779459 °	-120.779459 °	
DWR ID	19579				

Photo 2 of 3 : UCIP_FA_2022_70706_90835.jpg



LS view: overview of LS

LM Start	17.26	Rating **	M	Issue No.	1250 (cont)
LM End	17.26	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70706_90837.jpg



WS view: debris blocking pipe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	17.52	Rating **	U	Issue No.	1251
LM End	17.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.215976 °	37.215976 °
				-120.777615 °	-120.777615 °
DWR ID	19580				
Comment Code					
Inspector Comment					
DS_ID:19580 FS_ID:70707 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 11/16/2020 Record has been updated from Non-Urgent to Urgent. Pipe in failed condition on the LS. Potential sink hole located about 1 foot from the LS toe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 17.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.53)]. FS Date: 11/16/2020					

LM Start	17.52	Rating **	U	Issue No.	1251 (cont)
LM End	17.52	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70707_90843.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2022_70707_90844.jpg



WS view: overview of WS. 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	17.52	Rating **	U	Issue No.	1251 (cont)
LM End	17.52	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.215976 °	37.215976 °	
			-120.777615 °	-120.777615 °	
DWR ID	19580				

Photo 3 of 3 : UCIP_FA_2022_70707_90838.jpg



LS view: Pipe collapse visible in sinkhole along pipe alignment, photo 2 of 2.

LM Start	18.18	Rating **	U	Issue No.	1252
LM End	18.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.210998 °	37.210998 °	
			-120.768900 °	-120.768900 °	
DWR ID	19581				

Comment Code

Inspector Comment

DS_ID:19581
FS_ID:70708
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 11/16/2020 Record has been updated from Non-Urgent to Urgent. Considerable damage to the pipe interior is visible from LS toe. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 18.21). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.19)].
FS Date: 11/16/2020

Photo 1 of 3 : UCIP_FA_2022_70708_90849.jpg



Overview of levee crown looking upstream, photo 1 of 2.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	18.18	Rating **	U	Issue No.	1252 (cont)
LM End	18.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.210998 °	37.210998 °	
			-120.768900 °	-120.768900 °	
DWR ID	19581				

Photo 2 of 3 : UCIP_FA_2022_70708_90850.jpg



WS view: Pipe, flapgate, and headwall at WS toe

LM Start	18.18	Rating **	U	Issue No.	1252 (cont)
LM End	18.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70708_90848.jpg



LS view: Considerable damage observed at LS 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	18.45	Rating **	U	Issue No.	1253	
LM End	18.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.207538 °	37.207538 °	
				-120.767679 °	-120.767679 °	
DWR ID	19582					
Comment Code						
Inspector Comment						
DS_ID:19582 FS_ID:70709 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 11/16/2020 Record has been updated from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. No damage observed on the levee during the field inspection. Crossing will be monitored until funding becomes available to address. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 18.47). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.45)]. FS Date: 11/16/2020						

Photo 1 of 3 : UCIP_FA_2022_70709_93037.jpg



Overview of levee crown looking upstream, photo 1 of 2.

LM Start	18.45	Rating **	U	Issue No.	1253 (cont)
LM End	18.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_70709_90856.jpg



Overview of levee crown looking upstream, photo 2 of 2.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	18.45	Rating **	U	Issue No.	1253 (cont)
LM End	18.45	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.207538 °	37.207538 °	
			-120.767679 °	-120.767679 °	
DWR ID	19582				

Photo 3 of 3 : UCIP_FA_2022_70709_90854.jpg



LS view: overview of LS.

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_2022_NA0010_118_134_20220822_00022.jpg



View of prunings on waterside slope. (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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	18.79	Rating **	M	Issue No.	1254	
LM End	18.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.204966 °		37.204966 °
				-120.762511 °		-120.762511 °
DWR ID	19593					
Comment Code						
Inspector Comment						
DS_ID:19593 FS_ID:70711 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 11/16/2020 Record remains Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Fence located on the WS prevented access to the pipe. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 12.0 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, (HLM 18.80). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.79)]. FS Date: 11/16/2020						

LM Start	18.79	Rating **	M	Issue No.	1254 (cont)
LM End	18.79	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70711_91059.jpg



Overview of levee crown

Photo 2 of 3 : UCIP_FA_2022_70711_91061.jpg



View waterward

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	18.79	Rating **	M	Issue No.	1254 (cont)
LM End	18.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.204966 °	37.204966 °
				-120.762511 °	-120.762511 °
DWR ID	19593				

Photo 3 of 3 : UCIP_FA_2022_70711_91062.jpg



Headwall and pipe at LS toe

LM Start	18.85	Rating **	A/W	Issue No.	145
LM End	18.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.204414 °	37.204414 °
				-120.761543 °	-120.761543 °
DWR ID	DWR_NA0010_01_f_2022_145				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_145_20221007_00300.jpg



View of livestock trail on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	1255
LM End	19.17	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202801 °	37.202801 °	
			-120.756209 °	-120.756209 °	
DWR ID	19594				

Comment Code

Inspector Comment

DS_ID:19594
FS_ID:70712
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Unable to locate pipe on the WS. Pipe appears to be buried on WS. Sediment build-up observed at the LS inlet. Recommend sediment removal and evaluation of pipe's purpose. Pipe is currently non-functional. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. Recommend adding riser cover on the WS as a safety measure. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 13.0 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, (HLM 19.18). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.17)].
FS Date: 11/16/2020

LM Start	19.17	Rating **	M	Issue No.	1255 (cont)
LM End	19.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70712_90861.jpg



Overview of levee crown

Photo 2 of 3 : UCIP_FA_2022_70712_90862.jpg



Pipe riser 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	1255 (cont)
LM End	19.17	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202801 °	37.202801 °	
			-120.756209 °	-120.756209 °	
DWR ID	19594				

Photo 3 of 3 : UCIP_FA_2022_70712_90857.jpg



Considerable sediment build-up at LS inlet

LM Start	19.53	Rating **	M	Issue No.	1256
LM End	19.53	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.199427 °	37.199427 °	
			-120.760235 °	-120.760235 °	
DWR ID	19596				

Comment Code

Inspector Comment

DS_ID:19596
 FS_ID:70716
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 11/16/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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, (HLM 19.54). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.54)].
 FS Date: 11/16/2020

Photo 1 of 2 : UCIP_FA_2022_70716_90889.jpg



WS view: concrete headwall, flap gate, and WS slope visible on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	19.53	Rating **	M	Issue No.	1256 (cont)
LM End	19.53	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.199427 °	37.199427 °	
			-120.760235 °	-120.760235 °	
DWR ID	19596				

Photo 2 of 2 : UCIP_FA_2022_70716_90894.jpg



LS view: Interior of pipe from LS toe

LM Start	19.81	Rating **	M	Issue No.	1257
LM End	19.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.197502 °	37.197502 °	
			-120.764045 °	-120.764045 °	
DWR ID	19597				

Comment Code

Inspector Comment

DS_ID:19597
 FS_ID:70717
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Indicator Found
 UCIP Comments: 11/16/2020 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 No photos available for crossing--crossing missed. Recommend taking photos to confirm status of crossing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.0 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, (HLM 19.82). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.81)].
 FS Date: 11/16/2020

Photo 1 of 3 : UCIP_FA_2022_70717_90896.jpg



Overview of levee crown looking u/s

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	19.81	Rating **	M	Issue No.	1257 (cont)
LM End	19.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.197502 °	37.197502 °
				-120.764045 °	-120.764045 °
DWR ID	19597				

Photo 2 of 3 : UCIP_FA_2022_70717_90899.jpg



LS view: pipe and headwall at LS toe

LM Start	19.81	Rating **	M	Issue No.	1257 (cont)
LM End	19.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70717_90902.jpg



WS view: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	20.18	Rating **	M	Issue No.	1258
LM End	20.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID	19598				

Comment Code

Inspector Comment

DS_ID:19598
FS_ID:70718
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Limited access due to steep slopes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP internal inspection is pending and scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) 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, (HLM 20.19). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.18)].
FS Date: 11/16/2020

LM Start	20.18	Rating **	M	Issue No.	1258 (cont)
LM End	20.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70718_90903.jpg



Overview of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2022_70718_90904.jpg



WS view: WS slope profile

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	20.18	Rating **	M	Issue No.	1258 (cont)
LM End	20.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.194669 °	37.194669 °	
			-120.759736 °	-120.759736 °	
DWR ID	19598				

Photo 3 of 3 : UCIP_FA_2022_70718_90905.jpg



LS view: LS slope profile

LM Start	20.25	Rating **	U	Issue No.	146
LM End	22.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.193687 °	37.167074 °
				-120.760120 °	-120.750233 °
DWR ID	DWR_NA0010_01_f _ 2022_146				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_146_20221007_00301.jpg



View of vegetation on the waterside slope. (Fall 2022)

LM Start	20.25	Rating **	M	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 1 : FA_2022_NA0010_118_1184_20220822_00025.jpg



Ramp cut into to the landside slope to access irrigation ditch at the landside toe. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	20.25	Rating **	M	Issue No.	106
LM End	22.51	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.193663 °	37.166957 °
				-120.760148 °	-120.750080 °
DWR ID	DWR_NA0010_01_f_2020_106				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_106_20220822_00009.jpg



Barbed wire fence along the waterside slope. (Fall 2020)

LM Start	20.26	Rating **	U	Issue No.	147
LM End	22.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.193630 °	37.167067 °
				-120.760183 °	-120.750222 °
DWR ID	DWR_NA0010_01_f_2022_147				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_147_20221007_00302.jpg



Looking upstream along the landside slope. (Fall 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	1259
LM End	20.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.193589 °	37.193589 °
				-120.760211 °	-120.760211 °
DWR ID	19600				

Comment Code

Inspector Comment

DS_ID:19600
FS_ID:70721
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/16/2020 Record remains Non-Urgent. Dense vegetation and fence on the WS prevented proper inspection of pipe. No permit has been found authorizing this pipe. CVFPB will need to review crossing to determine owner. (O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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, (HLM 20.28). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.27)]. FS Date: 11/6/2020

LM Start	20.27	Rating **	M	Issue No.	1259 (cont)
LM End	20.27	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70721_66309.jpg



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

Photo 2 of 2 : UCIP_FA_2022_70721_66307.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	20.70	Rating **	M	Issue No.	1260
LM End	20.70	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.187901 °	37.187901 °	
			-120.763508 °	-120.763508 °	
DWR ID	19555				
Comment Code					
Inspector Comment					
DS_ID:19555 FS_ID:70724 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 05/06/2021 Record has been updated to Non-Urgent. DWR DMP geophysical survey found signal of potential pipe at new location 37.187894116, -120.76350376. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. No UCIP inspection has been completed to date. Recommend having Levee inspector or the next UCIP inspector provide updated photos of location. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal (CM) gravity drainage pipe through the levee, 8.9 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): USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.71)]. FS Date: 5/6/2021 9:58:00 AM					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	21.40	Rating **	M	Issue No.	1261
LM End	21.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.179065 °	37.179065 °
				-120.761567 °	-120.761567 °
DWR ID	19603				
Comment Code					
Inspector Comment					
DS_ID:19603 FS_ID:70727 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 05/06/2021 Record remains Non-Urgent. This crossing appears to be non-functional based on the 2014 UCIP inspection. No field inspection has been completed by UCIP. DWR DMP internal inspection is pending and scheduled for 2021. Recommend having UCIP inspector or Levee inspector take current photos of the site. (O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) 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, (HLM 21.41). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.40)]. FS Date: 5/16/2021					

LM Start	21.40	Rating **	M	Issue No.	1261 (cont)
LM End	21.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70727_66313.jpg



Flap gate half way submersed located on waterward side.

Photo 2 of 3 : UCIP_FA_2022_70727_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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	21.40	Rating **	M	Issue No.	1261 (cont)
LM End	21.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.179065 °	37.179065 °	
			-120.761567 °	-120.761567 °	
DWR ID	19603				

Photo 3 of 3 : UCIP_FA_2022_70727_66310.jpg



No signs of concrete headwall on landward toe.

LM Start	21.75	Rating **	M	Issue No.	1262
LM End	21.75	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.176106 °	37.176106 °	
			-120.756768 °	-120.756768 °	
DWR ID	19604				

Comment Code

Inspector Comment

DS_ID:19604
 FS_ID:70728
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/06/2021 Record remains Non-Urgent. This crossing appears to be non-functional based on the 2014 UCIP inspection. No field inspection has been completed by UCIP. DWR DMP internal inspection is pending and scheduled for 2021. Recommend having UCIP inspector or Levee inspector take current photos of the site. (O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 9.0 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, (HLM 21.78). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.76)].
 FS Date: 5/6/2021 9:50:00 AM

Photo 1 of 2 : UCIP_FA_2022_70728_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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	21.75	Rating **	M	Issue No.	1262 (cont)
LM End	21.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.176106 °	37.176106 °
				-120.756768 °	-120.756768 °
DWR ID	19604				

Photo 2 of 2 : UCIP_FA_2022_70728_65698.jpg



Crossing not found on landward side. No signs on canal located on landward side.

LM Start	22.06	Rating **	A/W	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_2020_22				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_118_22_20220822_00004.jpg



Looking upstream at irrigation at landside toe. (Spring 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	09/20/2022 09/20/2022	Corey Fujitani

LM Start	22.12	Rating **	M	Issue No.	1263
LM End	22.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID	19605				
Comment Code					
Inspector Comment					
DS_ID:19605 FS_ID:70729 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 05/06/2021 Record remains Non-Urgent. This crossing appears to be non-functional based on the 2014 UCIP inspection. No field inspection has been completed by UCIP. DWR DMP internal inspection is pending and scheduled for 2021. Recommend having UCIP inspector or Levee inspector take current photos of the site. (O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) gravity drainage pipe through the levee, 9.0 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, (HLM 22.13). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.13)]. FS Date: 5/6/2021 9:50:00 AM					

Photo 1 of 2 : UCIP_FA_2022_70729_65707.jpg



Flap gate visible on waterward side.

LM Start	22.12	Rating **	M	Issue No.	1263 (cont)
LM End	22.12	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_70729_65710.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**

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	4/4/2022 - 4/8/2022		9/19/2022 - 9/23/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	31	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.293440 °	37.293440 °	
				-120.878978 °	-120.878978 °	
DWR ID	19652					
Comment Code						
Inspector Comment						
DS_ID:19652 FS_ID:70933 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 Record remains Non-Urgent. There is dense vegetation around the LS pipe inlet, recommend removing to better inspect pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.0 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, (HLM 0.24). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.24)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_70933_100059.jpg



LS view: Close up of pipe inlet at toe, vegetation covering opening.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	0.66	Rating **	M	Issue No.	32	
LM End	0.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.288087 °	37.288087 °	
				-120.874919 °	-120.874919 °	
DWR ID	19653					
Comment Code						
Inspector Comment						
DS_ID:19653 FS_ID:70934 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Some vegetation debris inside LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.69). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.67)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_70934_100065.jpg



LS view: Close up of pipe inlet at toe, some debris buildup.

LM Start	0.68	Rating **	U	Issue No.	1	
LM End	0.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.287517 °	37.287517 °	
				-120.874583 °	-120.874583 °	
DWR ID	NA0010U02ARM129.22					
Comment Code						
Inspector Comment						
Site ID: NA0010U02ARM129.22						
08/03/2022: From 2021 to present, no significant changes were observed during the annual survey. The length was extended to 300 ft.						
08/20/2020: This site was discovered during the DWR Spring 2012 Levee Inspections. A 250-ft long levee section has completely eroded away and no longer provides adequate flood protection. Note: Unit 2A is in the process of being turned over to State Parks.						

Photo 1 of 3 : SJR2022_NA0010U02RM129.22_4.JPG



8/3/2022: View of the erosion with the missing levee segment looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	0.68	Rating **	U	Issue No.	1 (cont)
LM End	0.74	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.287517 °	37.287517 °	
			-120.874583 °	-120.874583 °	
DWR ID	NA0010U02ARM129.22				

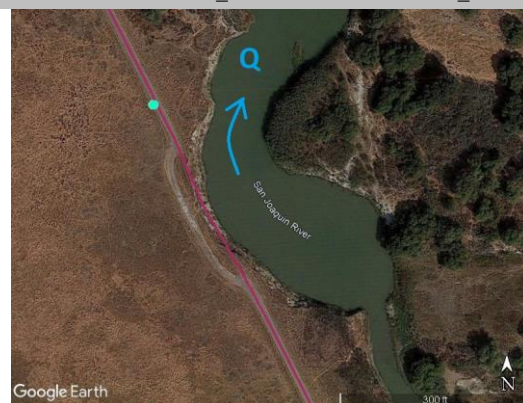
Photo 2 of 3 : SJR2022_NA0010U02RM129.22_6.JPG



8/3/2022: View of the eroded levee looking upstream.

LM Start	0.68	Rating **	U	Issue No.	1 (cont)
LM End	0.74	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2022_NA0010U02ARM129.22_GE.JPG



8/31/2022: Aerial view of the erosion site (Google Earth Imagery from 8/27/2020).

LM Start	0.74	Rating **	M	Issue No.	26
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.287094 °	37.287094 °
				-120.874422 °	-120.874422 °
DWR ID	DWR_NA0010_02A_s_2022_26				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrow caved in along the landside toe. The toe is used in this section to bypass the erosion through the levee crown.					

Photo 1 of 1 : FA_2022_NA0010_119_26_20220822_00006.jpg



Ground on the landside toe collapsed from rodent activity. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	1.01	Rating **	M	Issue No.	33	
LM End	1.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.284889 °	37.284889 °	
				-120.871352 °	-120.871352 °	
DWR ID	19654					
Comment Code						
Inspector Comment						
<p>DS_ID:19654 FS_ID:70935 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense vegetation on LS slope, could not inspect pipe inlet, recommend clearing. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)</p> <p>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. (O. Magana - DWR UCIP)</p> <p>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.03). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.02)].</p> <p>FS Date: 6/8/2021</p>						

Photo 1 of 1 : UCIP_FA_2022_70935_100076.jpg



LS view: Close up of pipe inlet and headwall, 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.286118 °	37.286118 °	
				-120.868167 °	-120.868167 °	
DWR ID	19655					
Comment Code						
Inspector Comment						
DS_ID:19655 FS_ID:70936 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense vegetation over LS pipe inlet, recommend clearing out for easier pipe inspection. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)						
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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.23). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.22)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_70936_100081.jpg



LS view: Headwall and inlet barely visible at toe due to vegetation.

LM Start	1.25	Rating **	M	Issue No.	25
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.286244 °	37.291790 °
				-120.867443 °	-120.851720 °
DWR ID	DWR_NA0010_02A_f_2022_25				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	1.28	Rating **	M	Issue No.	24
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.286331 °	37.278410 °
				-120.866843 °	-120.843876 °
DWR ID	DWR_NA0010_02A_f_2022_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_119_24_20221010_00068.jpg



View of the landside slope looking downstream. (Fall 2022)

LM Start	1.33	Rating **	M	Issue No.	35	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.286463 °	37.286463 °	
				-120.865997 °	-120.865997 °	
DWR ID	19656					
Comment Code						
Inspector Comment						
DS_ID:19656 FS_ID:70937 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense LS vegetation limits inspection of pipe inlet, headwall and inlet not visible at all, recommend clearing. WS flapgate seen with vegetation sticking out of it, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.36). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.34)]. FS Date: 6/8/2021						

Photo 1 of 2 : UCIP_FA_2022_70937_100089.jpg



LS view: Dense vegetation, headwall and pipe inlet not visible.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	1.33	Rating **	M	Issue No.	35 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.286463 °	37.286463 °	
			-120.865997 °	-120.865997 °	
DWR ID	19656				

Photo 2 of 2 : UCIP_FA_2022_70937_100085.jpg



WS view: Close up of flapgate, vegetation within pipe.

LM Start	1.61	Rating **	M	Issue No.	36
LM End	1.61	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.288599 °	37.288599 °	
			-120.862007 °	-120.862007 °	
DWR ID	19657				

Comment Code

Inspector Comment

DS_ID:19657
 FS_ID:70938
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/8/2021 The record remains Non-Urgent. Both WS and LS pipe ends are heavily vegetated. Headwalls and flapgate were just barely visible, recommend removal of vegetation on both sides. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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 (HLM 1.63). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.62)].
 FS Date: 6/8/2021

Photo 1 of 2 : UCIP_FA_2022_70938_100096.jpg



LS view: Headwall and inlet covered in vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	1.61	Rating **	M	Issue No.	36 (cont)
LM End	1.61	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.288599 °	37.288599 °	
			-120.862007 °	-120.862007 °	
DWR ID	19657				

Photo 2 of 2 : UCIP_FA_2022_70938_100092.jpg



WS view: Flapgate covered by vegetation at toe.

LM Start	1.85	Rating **	M	Issue No.	37
LM End	1.85	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.290836 °	37.290836 °	
			-120.858882 °	-120.858882 °	
DWR ID	19658				

Comment Code

Inspector Comment

DS_ID:19658
 FS_ID:70939
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense vegetation covering LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.88). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.86)].
 FS Date: 6/8/2021

Photo 1 of 1 : UCIP_FA_2022_70939_100102.jpg



LS view: Slope and headwall from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	2.28	Rating **	M	Issue No.	38
LM End	2.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.291686 °	37.291686 °
				-120.851475 °	-120.851475 °
DWR ID	19659				
Comment Code					
Inspector Comment					
DS_ID:19659 FS_ID:70940 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. LS pipe inlet covered by trash and debris, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 7.0 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, (HLM 2.32). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.30)]. FS Date: 6/8/2021					

Photo 1 of 1 : UCIP_FA_2022_70940_100108.jpg



LS view: Close up of pipe inlet covered with trash and debris.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	2.30	Rating **	M	Issue No.	39
LM End	2.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.291532 °	37.291532 °
				-120.851203 °	-120.851203 °
DWR ID	19660				
Comment Code					
Inspector Comment					
DS_ID:19660 FS_ID:70941 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Vegetation present at pipe inlet on LS, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn ? GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 7.0 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, (HLM 2.34). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.32)]. FS Date: 6/8/2021					

Photo 1 of 1 : UCIP_FA_2022_70941_100118.jpg



LS view: Slope and headwall at toe.

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 1 : FA_2022_NA0010_119_2_20220822_00004.jpg



Looking northeast at unauthorized ramp 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	2.58	Rating **	M	Issue No.	40	
LM End	2.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.289487 °	37.289487 °	
				-120.846941 °	-120.846941 °	
DWR ID	19661					
Comment Code						
Inspector Comment						
DS_ID:19661 FS_ID:70942 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Vegetation on LS and WS limited close up inspection of flapgate and pipe inlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 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, (HLM 2.60). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.59)]. FS Date: 6/8/2021						

LM Start	2.58	Rating **	M	Issue No.	40 (cont)
LM End	2.58	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70942_100127.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_70942_100126.jpg



LS view: Toe from crown.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	2.58	Rating **	M	Issue No.	40 (cont)
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.289487 °	37.289487 °	
			-120.846941 °	-120.846941 °	
DWR ID	19661				

Photo 3 of 3 : UCIP_FA_2022_70942_100121.jpg



LS view: Slope from toe.

LM Start	2.95	Rating **	M	Issue No.	41
LM End	2.95	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.284326 °	37.284326 °	
			-120.845157 °	-120.845157 °	
DWR ID	19662				

Comment Code

Inspector Comment

DS_ID:19662
 FS_ID:70943
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/7/2021 The record remains Non-Urgent. LS pipe inlet completely buried in sediment, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 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, (HLM 2.97). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.96)].
 FS Date: 6/7/2021

Photo 1 of 1 : UCIP_FA_2022_70943_100135.jpg



LS view: Headwall barely visible at toe, covered in sediment.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	3.28	Rating **	M	Issue No.	42	
LM End	3.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.279656 °	37.279656 °	
				-120.844795 °	-120.844795 °	
DWR ID	19665					
Comment Code						
Inspector Comment						
DS_ID:19665 FS_ID:70944 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Dense vegetation limited view and inspection of LS pipe inlet. Recommend removal of LS vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.31). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.29)]. FS Date: 6/7/2021						

Photo 1 of 1 : UCIP_FA_2022_70944_100142.jpg



LS view: Toe from crown, pipe end not visible.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	3.61	Rating **	M	Issue No.	43	
LM End	3.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.278203 °	37.278203 °	
				-120.839884 °	-120.839884 °	
DWR ID	19666					
Comment Code						
Inspector Comment						
DS_ID:19666 FS_ID:70945 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. LS has boards blocking the open pipe inlet but there is significant sediment and vegetation on the other side of the boards, recommend cleaning around. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 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, (HLM 3.63). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.62)]. FS Date: 6/7/2021						

Photo 1 of 1 : UCIP_FA_2022_70945_100143.jpg



LS view: Close up of pipe inlet and headwall. Sediment behind boards blocking pipe inlet.

LM Start	3.69	Rating **	A/W	Issue No.	23
LM End	3.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.278949 °	37.278949 °
				-120.838776 °	-120.838776 °
DWR ID	DWR_NA0010_02A_f_2020_23				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_119_23_20220822_00005.jpg



Rutting along the levee crown. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	3.94	Rating **	M	Issue No.	44	
LM End	3.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.279704 °	37.279704 °	
				-120.834709 °	-120.834709 °	
DWR ID	19667					
Comment Code						
Inspector Comment						
DS_ID:19667 FS_ID:70946 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Dense vegetation around LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.96). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.95)]. FS Date: 6/7/2021						

Photo 1 of 1 : UCIP_FA_2022_70946_100157.jpg



LS view: Close up of pipe inlet at toe covered in vegetation.

LM Start	5.15	Rating **	M	Issue No.	27
LM End	5.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263770 °	37.256610 °
				-120.832812 °	-120.828233 °
DWR ID	DWR_NA0010_02A_f_2022_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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	5.41	Rating **	M	Issue No.	45	
LM End	5.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.260069 °	37.260069 °	
				-120.831768 °	-120.831768 °	
DWR ID	19668					
Comment Code						
Inspector Comment						
DS_ID:19668 FS_ID:70947 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Limited inspection on WS due to dense vegetation, flapgate not visible, recommend clearing away. Limited insepction on LS due to canal limiting access to inlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 8.0 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, (HLM 5.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.43)]. FS Date: 6/7/2021						

Photo 1 of 1 : UCIP_FA_2022_70947_100161.jpg



WS view: Flapgate completely covered by vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	6.03	Rating **	M	Issue No.	46
LM End	6.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253527 °	37.253527 °
				-120.823991 °	-120.823991 °
DWR ID	19669				
Comment Code					
Inspector Comment					
DS_ID:19669 FS_ID:70948 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. LS pipe inlet completely buried under sediment, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 6.06). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 6.06)]. FS Date: 6/7/2021					

Photo 1 of 1 : UCIP_FA_2022_70948_100170.jpg



LS view: Headwall barely visible at toe, buried under sediment.

LM Start	6.31	Rating **	M	Issue No.	29
LM End	6.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.250348 °	37.244500 °
				-120.822476 °	-120.822700 °
DWR ID	DWR_NA0010_02A_f _ 2022_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_119_29_20221010_00069.jpg



Looking upstream along the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	47
LM End	6.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID	19670				
Comment Code					
Inspector Comment					
DS_ID:19670 FS_ID:70949 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Limited inspection on LS due to canal and inability to access. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 6.50). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 6.50)]. FS Date: 6/7/2021					

LM Start	6.47	Rating **	M	Issue No.	47 (cont)
LM End	6.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70949_100173.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_70949_100177.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	47 (cont)
LM End	6.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID	19670				

Photo 3 of 3 : UCIP_FA_2022_70949_100171.jpg



LS view: Close up of concrete box and pipe inlet.

LM Start	6.97	Rating **	A/W	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_2022_NA0010_119_28_20220822_00007.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	7.02	Rating **	M	Issue No.	48	
LM End	7.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.240333 °	37.240333 °	
				-120.821490 °	-120.821490 °	
DWR ID	19671					
Comment Code						
Inspector Comment						
DS_ID:19671 FS_ID:70950 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Dense vegetation on WS limited inspection. LS pipe inlet is completely buried under sediment, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 7.06). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 7.05)]. FS Date: 6/7/2021						

Photo 1 of 2 : UCIP_FA_2022_70950_100183.jpg



LS view: Headwall and inlet buried at toe.

LM Start	7.02	Rating **	M	Issue No.	48 (cont)
LM End	7.02	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_70950_100178.jpg



WS view: Flapgate barely visible at toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	7.16	Rating **	M	Issue No.	30
LM End	7.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.238692 °	37.231507 °
				-120.820244 °	-120.812111 °
DWR ID	DWR_NA0010_02A_f_2022_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.74	Rating **	M	Issue No.	49	
LM End	7.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.232650 °	37.232650 °	
				-120.813363 °	-120.813363 °	
DWR ID	19673					
Comment Code						
Inspector Comment						
DS_ID:19673 FS_ID:70952 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. LS pipe end not visible, dense vegetation on both WS and LS ends, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 8.0 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, (HLM 7.78). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 7.77)]. FS Date: 6/7/2021						

Photo 1 of 2 : UCIP_FA_2022_70952_100190.jpg



LS view: Headwall and inlet not visible under 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	09/19/2022 09/23/2022	Corey Fujitani

LM Start	7.74	Rating **	M	Issue No.	49 (cont)
LM End	7.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.232650 °	37.232650 °
				-120.813363 °	-120.813363 °
DWR ID	19673				

Photo 2 of 2 : UCIP_FA_2022_70952_100188.jpg



WS view: Toe from crown, flapgate covered in vegetation but just visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/8/2022 - 4/8/2022		9/23/2022 - 9/23/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	26
LM End	8.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.228343 °	37.228343 °
				-120.808789 °	-120.808789 °
DWR ID	19674				
Comment Code					
Inspector Comment					
DS_ID:19674 FS_ID:70953 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 Record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. LS headwall barely visible at toe due to dense vegetation. Dense vegetation also over WS flapgate. Limited inspection of both WS and LS pipe ends. Recommend removal of vegetation on both WS and LS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 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, (HLM 8.17). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.16)]. FS Date: 6/7/2021					

Photo 1 of 2 : UCIP_FA_2022_70953_100043.jpg



LS view: Headwall barely visible at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	26 (cont)
LM End	8.13	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.228343 °	37.228343 °	
			-120.808789 °	-120.808789 °	
DWR ID	19674				

Photo 2 of 2 : UCIP_FA_2022_70953_100046.jpg



WS view: Flapgate visible at toe.

LM Start	8.46	Rating **	M	Issue No.	27
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.225241 °	37.225241 °	
			-120.804286 °	-120.804286 °	
DWR ID	19675				

Comment Code

Inspector Comment

DS_ID:19675
 FS_ID:70954
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/7/2021 The record remains Non-Urgent. LS pipe inlet completely buried in dense vegetation, only top of headwall visible. Dense vegetation above WS flapgate. Limited inspection of pipe ends, recommend vegetation removal on both sides. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 8.49). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.48)].
 FS Date: 6/7/2021

Photo 1 of 2 : UCIP_FA_2022_70954_100343.jpg



LS view: Close up of pipe inlet, covered in 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	27 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.225241 °	37.225241 °	
			-120.804286 °	-120.804286 °	
DWR ID	19675				

Photo 2 of 2 : UCIP_FA_2022_70954_100338.jpg



WS view: Top of flapgate visible at toe.

LM Start	8.83	Rating **	M	Issue No.	28
LM End	8.83	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.222271 °	37.222271 °	
			-120.798705 °	-120.798705 °	
DWR ID	19676				

Comment Code

Inspector Comment

DS_ID:19676
 FS_ID:70955
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/7/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Dense vegetation around LS pipe end, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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 present on waterward slope. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 8.88). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (recorded as HLM 9.86, should be HLM 8.86)].
 FS Date: 6/7/2021

Photo 1 of 1 : UCIP_FA_2022_70955_100350.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	8.94	Rating **	M	Issue No.	17
LM End	9.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.221212 °	37.220375 °
				-120.797253 °	-120.792237 °
DWR ID	DWR_NA0010_02B_f_2022_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_120_17_20221010_00044.jpg



View of the landside slope looking downstream. (Fall 2022)

LM Start	9.00	Rating **	M	Issue No.	29
LM End	9.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.220888 °	37.220888 °
				-120.796394 °	-120.796394 °
DWR ID	19677				
Comment Code					
Inspector Comment					
DS_ID:19677 FS_ID:70956 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Minor vegetation over LS pipe inlet. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn ? GEI) 05/14/201 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 9.03). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.02)]. FS Date: 6/7/2021					

Photo 1 of 3 : UCIP_FA_2022_70956_100353.jpg



Levee crown looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	9.00	Rating **	M	Issue No.	29 (cont)
LM End	9.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.220888 °	37.220888 °
				-120.796394 °	-120.796394 °
DWR ID	19677				

Photo 2 of 3 : UCIP_FA_2022_70956_100354.jpg



LS view: Toe from crown.

LM Start	9.00	Rating **	M	Issue No.	29 (cont)
LM End	9.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70956_100355.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	9.17	Rating **	M	Issue No.	30	
LM End	9.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.220520 °	37.220520 °	
				-120.793277 °	-120.793277 °	
DWR ID	19678					
Comment Code						
Inspector Comment						
DS_ID:19678 FS_ID:70957 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Dense vegetation over LS pipe inlet limited inspection, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 8.0 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, (HLM 9.21). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.20)]. FS Date: 6/7/2021						

Photo 1 of 1 : UCIP_FA_2022_70957_100363.jpg



LS view: Top of headwall visible, pipe inlet covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	9.43	Rating **	U	Issue No.	31	
LM End	9.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.220227 °	37.220227 °	
				-120.788634 °	-120.788634 °	
DWR ID	19686					
Comment Code						
Inspector Comment						
DS_ID:19686 FS_ID:70958 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/7/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5.0. Crossing will be monitored until funding becomes available to address the issues. Some rusting and peeling of liner inside LS pipe inlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 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, (HLM 9.47). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.46)]. FS Date: 6/7/2021						

Photo 1 of 2 : UCIP_FA_2022_70958_100371.jpg



LS view: Slope and headwall at toe.

LM Start	9.43	Rating **	U	Issue No.	31 (cont)
LM End	9.43	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_70958_100372.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	9.60	Rating **	M	Issue No.	15
LM End	9.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.220783 °	37.220783 °
				-120.785729 °	-120.785729 °
DWR ID	DWR_NA0010_02B_f_2020_15				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Broken tree limbs on the waterside slope.					

Photo 1 of 1 : FA_2022_NA0010_120_15_20220822_00003.jpg



Tree limb on the waterside slope. (Fall 2020)

LM Start	9.82	Rating **	M	Issue No.	18
LM End	9.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.218056 °	37.218056 °
				-120.784200 °	-120.784200 °
DWR ID	DWR_NA0010_02B_s_2022_18				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_120_18_20220822_00004.jpg



Fallen tree branches on the landside slope. (Spring 2022)

LM Start	9.90	Rating **	C	Issue No.	19
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.217010 °	37.217010 °
				-120.784018 °	-120.784018 °
DWR ID	DWR_NA0010_02B_s_2022_19				
Comment Code					
T3 : Fallen tree with root ball.					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	10.09	Rating **	M	Issue No.	32	
LM End	10.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.214229 °	37.214229 °	
				-120.784350 °	-120.784350 °	
DWR ID	19687					
Comment Code						
Inspector Comment						
DS_ID:19687 FS_ID:70959 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Some sediment buildup inside LS pipe inlet. LS pipe inlet also covered by some vegetation. Recommend cleaning out sediment and removing vegetation. WS flapgate partially underwater and covered by vegetation, limited inspection of both WS and LS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn- GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 10.13). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 10.12)]. FS Date: 6/7/2021						

LM Start	10.09	Rating **	M	Issue No.	32 (cont)
LM End	10.09	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70959_100379.jpg



LS view: Close up of pipe inlet at toe, sediment built up.

Photo 2 of 2 : UCIP_FA_2022_70959_100374.jpg



WS view: Close up of flapgate partially underwater at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	10.78	Rating **	M	Issue No.	33	
LM End	10.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.206352 °	37.206352 °	
				-120.777634 °	-120.777634 °	
DWR ID	19688					
Comment Code						
Inspector Comment						
DS_ID:19688 FS_ID:70960 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. WS end and flapgate is overgrown with dense vegetation limiting inspection, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 8.0 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, (HLM 10.82). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 10.81)]. FS Date: 6/7/2021						

LM Start	10.78	Rating **	M	Issue No.	33 (cont)
LM End	10.78	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70960_100381.jpg



WS view: Toe from crown.

Photo 2 of 2 : UCIP_FA_2022_70960_100382.jpg



WS view: Dense vegetation covering flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	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 1 : FA_2022_NA0010_120_14_20220822_00002.jpg



Prunings at landside toe. (Fall 2018)

LM Start	11.14	Rating **	M	Issue No.	34	
LM End	11.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.204640 °	37.204640 °	
				-120.771564 °	-120.771564 °	
DWR ID	19689					
Comment Code						
Inspector Comment						
DS_ID:19689 FS_ID:70961 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Dense vegetation covering LS pipe inlet limiting inspection, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn- GEI) 05/14/201 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 8.0 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, (HLM 11.18). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.17)]. FS Date: 6/7/2021						

Photo 1 of 1 : UCIP_FA_2022_70961_100390.jpg



LS view: Headwall barely visible at toe, inlet covered in 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	11.40	Rating **	M	Issue No.	35
LM End	11.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.201792 °	37.201792 °
				-120.768462 °	-120.768462 °
DWR ID	19690				

Comment Code

Inspector Comment

DS_ID:19690
FS_ID:70962
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/7/2021 The record remains Non-Urgent. Dense vegetation over LS end, cannot see pipe inlet, recommend vegetation removal. WS flapgate has some vegetation covering it, recommend clearing. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)

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. (O. Magana - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 8.0 feet below the crown. Flap gate on the waterside (WS) end. Screw gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002, (HLM 11.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.43)].
FS Date: 6/7/2021

LM Start	11.40	Rating **	M	Issue No.	35 (cont)
LM End	11.40	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70962_100395.jpg



LS view: Toe from crown, dense vegetation, no pipe visible.

Photo 2 of 2 : UCIP_FA_2022_70962_100398.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	12.21	Rating **	C	Issue No.	1
LM End	12.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.191528 °	37.191528 °
				-120.764541 °	-120.764541 °
DWR ID	DWR_NA0010_02B_f_2014_1				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

No Photos

LM Start	13.18	Rating **	M	Issue No.	36
LM End	13.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID	19663				
Comment Code					
Inspector Comment					
DS_ID:19663 FS_ID:70963 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Sediment buildup inside LS pipe inlet, recommend cleaning out. Dense vegetation over WS end limited inspection, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn - GEI) 05/14/201 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 6.5 feet below the crown. Slide gate in a pipe riser unit on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002, (HLM 13.23). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 13.22)]. FS Date: 6/7/2021					

Photo 1 of 2 : UCIP_FA_2022_70963_100404.jpg



LS view: Close up of pipe inlet at toe, sediment 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	13.18	Rating **	M	Issue No.	36 (cont)
LM End	13.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID	19663				

Photo 2 of 2 : UCIP_FA_2022_70963_100399.jpg



WS view: Close up of riser with slidegate on slope.

LM Start	13.54	Rating **	M	Issue No.	16
LM End	13.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.175195 °	37.175195 °
				-120.761033 °	-120.761033 °
DWR ID	DWR_NA0010_02B_f_2022_16				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_120_16_20221010_00045.jpg



Erosion pocket on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	13.67	Rating **	M	Issue No.	37
LM End	13.67	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.173327 °	37.173327 °
				-120.761055 °	-120.761055 °
DWR ID	19664				
Comment Code					
Inspector Comment					
DS_ID:19664 FS_ID:70964 EP_NO: 14138 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Not Found UCIP Comments: 06/7/2021 The record remains Non-Urgent. Pipe not found by visual inspection. Dense vegetation on either side, no pipe visible. Recommend removing vegetation to assess if pipe is there. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn - GEI)05/14/201 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Concrete cutoff wall at the center of the levee. Flap gate on the landside (LS) end. Screw gate on the waterside (WS) end with accessible walkway. (24-inch reinforced concrete [RC] pipe authorized under Permit No. 14138, 1985 - United States Fish and Wildlife Service). [Additional Reference(s): DWR Levee Log, 2002, (HLM 13.71)]. FS Date: 6/7/2021					
LM Start	13.67	Rating **	M	Issue No.	37 (cont)
LM End	13.67	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2022_70964_100407.jpg



LS view: Toe from crown, pipe not visible.

Photo 2 of 2 : UCIP_FA_2022_70964_100406.jpg



WS view: Toe from crown, pipe not visible.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	09/23/2022 09/23/2022	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	25
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.172648 °	37.172648 °
				-120.761157 °	-120.761157 °
DWR ID	DWR_NA0010_02B_f_2018_25				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is occurring into the landside bank.					

Photo 1 of 1 : FA_2022_NA0010_120_25_20220822_00007.jpg



View of erosion pocket in the landside slope. (Fall 2020)

LM Start	13.73	Rating **	M	Issue No.	22
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 1 of 1 : FA_2022_NA0010_120_22_20220822_00006.jpg



View of waterside slope 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
Unit Cover Sheet**

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	4/21/2022 - 4/21/2022		9/19/2022 - 9/19/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	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_2022_NA0010_121_67_20220822_00009.jpg



Looking southwest at the landside shoulder.

LM Start	0.31	Rating **	U	Issue No.	11
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.107440 °	37.107440 °
				-120.587005 °	-120.587005 °
DWR ID	DWR_NA0010_03_s_2022_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large amount of material displaced on the landside toe.					

Photo 1 of 1 : FA_2022_NA0010_121_11_20220822_00005.jpg

View of several rodent holes with large amounts of material displaced.
(Spring 2022)

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

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

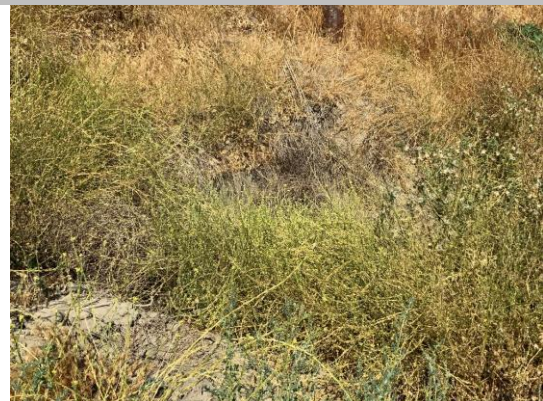
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.106233 °	37.106233 °	
				-120.585797 °	-120.585797 °	
DWR ID	19691					
Comment Code						
Inspector Comment						
DS_ID:19691 FS_ID:70965 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. Dense vegetation over LS pipe inlet, headwall just barely visible, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.43). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.43). DWR As-Built Specification No. 62-03, Sheet No. 10, 18 June 1962, (HLM 0.43)]. FS Date: 7/12/2021						

Photo 1 of 1 : UCIP_FA_2022_70965_101342.jpg



LS toe: Headwall buried under 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	Corey Fujitani

LM Start	0.43	Rating **	M	Issue No.	6
LM End	0.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.106121 °	37.106121 °
				-120.585680 °	-120.585680 °
DWR ID	DWR_NA0010_03_f _ 2017_6				
Comment Code					
RA : Ramp					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_121_6_20220822_00002.jpg



Looking east at the landside slope. (Fall 2021)

LM Start	0.43	Rating **	M	Issue No.	13
LM End	2.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.106072 °	37.089499 °
				-120.585636 °	-120.568041 °
DWR ID	DWR_NA0010_03_s_2021_13				
Comment Code					
DT : Ditch					
Inspector Comment					
Landowner has dug a ditch in the landside toe. Landowner appears to be in the process of relocating the ditch away from the toe.					

Photo 1 of 1 : FA_2022_NA0010_121_13_20220822_00007.jpg



View of ditch dug on the landside toe. (Spring 2021)

LM Start	0.57	Rating **	U	Issue No.	10
LM End	0.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.104343 °	37.104343 °
				-120.584348 °	-120.584348 °
DWR ID	DWR_NA0010_03_s_2021_10				
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_2022_NA0010_121_10_20220822_00004.jpg



Several large rodent burrows observed at this location. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	Corey Fujitani

LM Start	0.58	Rating **	M	Issue No.	15
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.104260 °	37.101912 °
				-120.584274 °	-120.580490 °
DWR ID	DWR_NA0010_03_s_2021_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_121_15_20221010_00022.jpg



View of rodent holes on the landside slope. (Fall 2022)

LM Start	0.76	Rating **	M	Issue No.	69	
LM End	0.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.102964 °	37.102964 °	
				-120.581421 °	-120.581421 °	
DWR ID	19692					
Comment Code						
Inspector Comment						
DS_ID:19692 FS_ID:70966 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record has been upgraded from No Action Needed to Non-Urgent. Dense vegetation over LS pipe inlet, headwall barely visible. Minor vegetation on WS, recommend removal on both ends. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.78). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.77). DWR As-Built Specification No. 62-03, Sheet No. 10, 18 June 1962, (HLM 0.77)]. FS Date: 7/12/2021						

Photo 1 of 2 : UCIP_FA_2022_70966_101351.jpg



LS view: Pipe inlet and headwall covered in 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	Corey Fujitani

LM Start	0.76	Rating **	M	Issue No.	69 (cont)
LM End	0.76	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.102964 °	37.102964 °	
			-120.581421 °	-120.581421 °	
DWR ID	19692				

Photo 2 of 2 : UCIP_FA_2022_70966_101353.jpg



WS view: Closeup of flapgate at toe.

LM Start	0.80	Rating **	M	Issue No.	7
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.102506 °	37.089456 °
				-120.580994 °	-120.567887 °
DWR ID	DWR_NA0010_03_f_2022_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_121_7_20221010_00023.jpg



View of vegetation growing on the landside slope. (Fall 2022)

LM Start	0.86	Rating **	M	Issue No.	8
LM End	0.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.101821 °	37.101821 °
				-120.580358 °	-120.580358 °
DWR ID	DWR_NA0010_03_f_2020_8				
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_2022_NA0010_121_8_20220822_00003.jpg



Depression in the levee crown from rodent activity. (Fall 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	Corey Fujitani

LM Start	1.70	Rating **	M	Issue No.	12
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.092231 °	37.091302 °
				-120.572337 °	-120.571632 °
DWR ID	DWR_NA0010_03_f _ 2020_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_121_12_20220822_00006.jpg



View of several animal holes in the landside slope. (Spring 2022)

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	DWR UCIP LMA Responsibility			37.092079 °		37.092079 °
				-120.572316 °		-120.572316 °
DWR ID	19693					
Comment Code						
Inspector Comment						
DS_ID:19693 FS_ID:70967 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. There is dense vegetation over LS pipe inlet and WS flapgate, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Sediment buildup in pipe visible from landward side-- recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 6.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.73). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.72). DWR As-Built Specification No. 62-03, Sheet No. 11, 18 June 1962, (HLM 1.72)]. FS Date: 7/12/2021						

Photo 1 of 2 : UCIP_FA_2022_70967_101359.jpg



LS view: Slope and headwall from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	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	DWR UCIP LMA Responsibility		37.092079 °	37.092079 °	
			-120.572316 °	-120.572316 °	
DWR ID	19693				

Photo 2 of 2 : UCIP_FA_2022_70967_101356.jpg



WS view: Close up of flapgate at toe.

LM Start	1.77	Rating **	M	Issue No.	17
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.091446 °	37.091446 °
				-120.571777 °	-120.571777 °
DWR ID	DWR_NA0010_03_s_2022_17				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_121_17_20220822_00008.jpg



Multiple rodent burrows observed on the waterside slope. (Spring 2022)

LM Start	1.91	Rating **	M	Issue No.	14
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.090122 °	37.089257 °
				-120.569900 °	-120.567287 °
DWR ID	DWR_NA0010_03_f_2022_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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	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	DWR UCIP Field Study			37.089394 °	37.089394 °
				-120.567731 °	-120.567731 °
DWR ID	19694				
Comment Code					
Inspector Comment					
DS_ID:19694 FS_ID:70968 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. Dense vegetation over WS and LS inlet/outlet, recommend removal. As mentioned in the previous inspection, there is a 16 inch metal pipe directly opposite the WS pipe slidegate/outlet that goes just underground and out through to the channel. Recommend contacting owner for more information on these WS appurtenances. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn ? GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation discharge pipe (CMP) 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, (HLM 2.05). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.05). DWR As-Built Specification No. 62-03, Sheet No. 11, 18 June 1962, (HLM 2.05)]. FS Date: 7/12/2021					

LM Start	2.04	Rating **	M	Issue No.	71 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2022_70968_101364.jpg



LS view: Headwall and inlet covered with tumbleweeds.

Photo 2 of 2 : UCIP_FA_2022_70968_101368.jpg



WS view: Closeup of slidegate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	09/19/2022 09/19/2022	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_2022_NA0010_121_5_20220822_00001.jpg



Looking southwest at concrete blocks 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
Unit Cover Sheet**

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)			A	
Date of Inspection	4/21/2022 - 4/21/2022		9/19/2022 - 9/19/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	09/19/2022 09/19/2022	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	10
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111692 °	37.111692 °
				-120.590312 °	-120.590312 °
DWR ID	DWR_NA0010_04_s_2022_10				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_122_10_20220822_00002.jpg



View of rodent holes on the landside slope. (Spring 2022)

LM Start	0.24	Rating **	M	Issue No.	11	
LM End	0.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.109933 °	37.109933 °	
				-120.590689 °	-120.590689 °	
DWR ID	19695					
Comment Code						
Inspector Comment						
DS_ID:19695 FS_ID:70974 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. WS flapgate is underwater and covered by vegetation. LS inlet also covered by vegetation, recommend removal on both ends. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 18.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.24). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.27)]. FS Date: 7/12/2021						

Photo 1 of 2 : UCIP_FA_2022_70974_101406.jpg



LS view: Pipe inlet with water in it at toe.

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

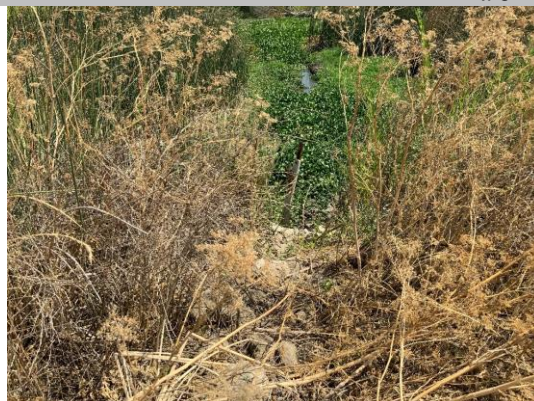
Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	09/19/2022 09/19/2022	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	11 (cont)
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.109933 °	37.109933 °	
			-120.590689 °	-120.590689 °	
DWR ID	19695				

Photo 2 of 2 : UCIP_FA_2022_70974_101408.jpg



WS view: Pipe and flapgate not visible due to dense vegetation and water.

LM Start	0.32	Rating **	A/W	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. Shown on the as-built drawings.					

Photo 1 of 1 : FA_2022_NA0010_122_3_20220822_00001.jpg



Looking upstream at an irrigation ditch at the landside toe. (Fall 2020)

LM Start	0.32	Rating **	A	Issue No.	8
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.108762 °	37.108762 °
				-120.590714 °	-120.590714 °
DWR ID	DWR_NA0010_04_f_2022_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0010_122_8_20221010_00021.jpg



View of vegetation control on the landside slope. (Fall 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	09/19/2022 09/19/2022	Corey Fujitani

* 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
Unit Cover Sheet**

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	4/6/2022 -		9/21/2022 - 9/22/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.278174 °	37.278174 °
				-120.823465 °	-120.823465 °
DWR ID	19756				
Comment Code					
Inspector Comment					
DS_ID:19756 FS_ID:70983 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 6, Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Some soil sloughing/erosion on the WS slope. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/09/2014 Debris blocking landward headwall--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.07). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.07)]. FS Date: 6/1/2021					

LM Start	0.08	Rating **	M	Issue No.	1310 (cont)
LM End	0.08	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70983_99632.jpg



WS view: Sloughing on the slope from toe, 1 of 2 photos.

Photo 2 of 2 : UCIP_FA_2022_70983_99633.jpg



WS view: Side view of the sloughing on the slope, 2 of 2 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	DWR UCIP Field Study			37.276669 °	37.276669 °
				-120.819755 °	-120.819755 °
DWR ID	24867				
Comment Code					
Inspector Comment					
DS_ID:24867 FS_ID:70984 EP_NO: N/A Repair Type: Urgent EVAL Issue: 2b, Levee Integrity Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Urgent. Same as previous inspection comments. There is no flapgate, the pipe is open on both ends. Pipe is being bent down from the top. Crown has subsided about 4 feet from the original crown. Minor erosion around pipe on both WS and LS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)					
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. (O. Magana - DWR UCIP)04/09/2014 Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 96-inch corrugated metal gravity drainage pipe (CMP) through the levee, 4.5 feet below the crown. Pipe is composed of two materials: 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: 6/1/2021					

Photo 1 of 3 : UCIP_FA_2022_70984_99641.jpg



Levee crown looking downstream. Crown is lower above 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP Field Study		37.276669 °	37.276669 °	
			-120.819755 °	-120.819755 °	
DWR ID	24867				

Photo 2 of 3 : UCIP_FA_2022_70984_99642.jpg



LS view: Slope and pipe inlet, top being bent down from toe.

LM Start	0.31	Rating **	U	Issue No.	1311 (cont)
LM End	0.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_70984_99639.jpg



WS view: Slope and pipe outlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	0.31	Rating **	M	Issue No.	1312	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.276578 °	37.276578 °	
				-120.819793 °	-120.819793 °	
DWR ID	19557					
Comment Code						
Inspector Comment						
DS_ID:19557 FS_ID:70985 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. Pipe not found by visual inspection. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.30)]. FS Date: 6/1/2021						

Photo 1 of 3 : UCIP_FA_2022_70985_99649.jpg



Levee crown looking downstream.

LM Start	0.31	Rating **	M	Issue No.	1312 (cont)
LM End	0.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_70985_99648.jpg



LS view: Slope and toe from crown, no pipe visible.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	0.31	Rating **	M	Issue No.	1312 (cont)
LM End	0.31	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.276578 °	37.276578 °	
			-120.819793 °	-120.819793 °	
DWR ID	19557				

Photo 3 of 3 : UCIP_FA_2022_70985_99650.jpg



LS view: Toe from crown, no pipe visible.

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	DWR UCIP LMA Responsibility		37.273945 °	37.273945 °	
			-120.815835 °	-120.815835 °	
DWR ID	19757				

Comment Code

Inspector Comment

DS_ID:19757
 FS_ID:70986
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 5, Pipe Damage
 Crossing Status: Found
 UCIP Comments: 06/1/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/09/2014 Excess debris on landward headwall--recommend clearing. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.58). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.59). DWR As-Built Specification No. 63-25, Sheet No. 4, 9 May 1963, (Station -2+15)].
 FS Date: 6/1/2021

Photo 1 of 2 : UCIP_FA_2022_70986_99656.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.273945 °	37.273945 °
				-120.815835 °	-120.815835 °
DWR ID	19757				

Photo 2 of 2 : UCIP_FA_2022_70986_99653.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	0.65	Rating **	U	Issue No.	1314
LM End	0.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID	19758				

Comment Code

Inspector Comment

DS_ID:19758
FS_ID:70987
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 06/1/2021 Record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No closeup inspection of LS pipe end due to dense vegetation and barbed wire. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.64). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.65). DWR As-Built Specification No. 63-25, Sheet No. 4, 9 May 1963, (HLM 0.65)].
FS Date: 6/1/2021

LM Start	0.65	Rating **	U	Issue No.	1314 (cont)
LM End	0.65	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70987_99660.jpg



LS view: Headwall barely visible at toe from crown.

Photo 2 of 2 : UCIP_FA_2022_70987_99658.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	0.85	Rating **	U	Issue No.	1315	
LM End	0.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.271894 °	37.271894 °	
				-120.812224 °	-120.812224 °	
DWR ID	19759					
Comment Code						
Inspector Comment						
DS_ID:19759 FS_ID:70988 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/1/2021 Record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.84). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.84). DWR As-Built Specification No. 63-25, Sheet No. 4, 9 May 1963, (HLM 0.84)]. FS Date: 6/1/2021						

Photo 1 of 2 : UCIP_FA_2022_70988_99663.jpg



LS view: Close up of pipe inlet at toe.

LM Start	0.85	Rating **	U	Issue No.	1315 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_70988_99667.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	0.90	Rating **	A/W	Issue No.	154
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.271264 °	37.271264 °
				-120.811934 °	-120.811934 °
DWR ID	DWR_NA0010_05_s_2022_154				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Shallow depression on the lower 1/3 of the waterside slope. Possibly from livestock, but no visible trail leading to the depression. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_123_154_20220822_00045.jpg



View of minor slope erosion on the waterside. (Spring 2022)

LM Start	1.17	Rating **	M	Issue No.	111
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.268866 °	37.267985 °
				-120.808460 °	-120.807542 °
DWR ID	DWR_NA0010_05_f_2018_111				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Downed tree limbs left along the levee 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	1.45	Rating **	M	Issue No.	1316
LM End	1.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265804 °	37.265804 °
				-120.804955 °	-120.804955 °
DWR ID	19760				
Comment Code					
Inspector Comment					
DS_ID:19760 FS_ID:70989 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/1/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS pipe inlet blocked by barbed wire, could not inspect. Small pipe lodged in the WS flapgate so it cannot be closed all the way, recommend removal before flood season. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 21.0 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, (HLM 1.44). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.44). DWR As-Built Specification No. 63-25, Sheet No. 4, 9 May 1963, (HLM 1.44)]. FS Date: 6/1/2021					
LM Start	1.45	Rating **	M	Issue No.	1316 (cont)
LM End	1.45	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_70989_99675.jpg



WS view: Close up of flapgate at toe, 1 of 2 photos.

Photo 2 of 2 : UCIP_FA_2022_70989_99676.jpg



WS view: Close up of flapgate at toe with bar sticking through, 2 of 2 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	1.47	Rating **	M	Issue No.	159
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.265605 °	37.265605 °
				-120.804784 °	-120.804784 °
DWR ID	DWR_NA0010_05_f_2022_159				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Downed tree branch on the landside toe.					

Photo 1 of 1 : FA_2022_NA0010_123_159_20221010_00362.jpg



Fallen tree on the landside slope and toe. (Fall 2022)

LM Start	1.53	Rating **	U	Issue No.	156
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.265008 °	37.265008 °
				-120.804010 °	-120.804010 °
DWR ID	DWR_NA0010_05_s_2022_156				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows observed. A few appear to penetrate the levee through to the landside.					

Photo 1 of 1 : FA_2022_NA0010_123_156_20220822_00047.jpg



Several rodent holes observed on the waterside slope. (Spring 2022)

LM Start	1.67	Rating **	M	Issue No.	172
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263363 °	37.263363 °
				-120.802729 °	-120.802729 °
DWR ID	DWR_NA0010_05_f_2022_172				
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_2022_NA0010_123_172_20221010_00363.jpg



Rodent burrows on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	Trim / Thin Trees			37.256805 °	37.256805 °
				-120.785434 °	-120.785434 °
DWR ID	DWR_NA0010_05_s_2019_102				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_102_20220822_00011.jpg



Tree limb has fallen on the landside slope and toe. (Spring 2022)

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	DWR UCIP LMA Responsibility			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID	19809				
Comment Code					
Inspector Comment					
DS_ID:19809 FS_ID:70990 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Barbed wire over LS end, could not inspect. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/09/2014 Log partially blocking inlet at LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 15.0 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, (HLM 2.83). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.85). DWR As-Built Specification No. 63-25, Sheet No. 5, 9 May 1963, (HLM 2.85)]. FS Date: 6/1/2021					

Photo 1 of 1 : UCIP_FA_2022_70990_99683.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	3.23	Rating **	A/W	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_s_2022_127				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.34	Rating **	M	Issue No.	1318	
LM End	3.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.255258 °	37.255258 °	
				-120.776996 °	-120.776996 °	
DWR ID	19810					
Comment Code						
Inspector Comment						
DS_ID:19810 FS_ID:70991 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Pipe is eroded through causing holes just behind the WS flapgate. Metal peeling away inside of pipe outlet. Flapgate is rusted with some corrosion. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/15/2014 Pipe corroded through at flapgate on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.36). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.33). DWR As-Built Specification No. 63-25, Sheet No. 5, 9 May 1963, (HLM 3.33)]. FS Date: 6/1/2021						

Photo 1 of 3 : UCIP_FA_2022_70991_99684.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility		37.255258 °	37.255258 °	
			-120.776996 °	-120.776996 °	
DWR ID	19810				

Photo 2 of 3 : UCIP_FA_2022_70991_99688.jpg



WS view: Corroded metal causing holes in pipe outlet at toe.

LM Start	3.34	Rating **	M	Issue No.	1318 (cont)
LM End	3.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70991_99692.jpg



WS view: Inside pipe outlet at toe, peeling away of liner or metal, 1 of 2 photos.

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	Trim / Thin Trees			37.255182 °	37.255182 °
				-120.773708 °	-120.773708 °
DWR ID	DWR_NA0010_05_f_2019_122				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Tree limbs fallen on the landside toe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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					

Photo 1 of 1 : FA_2022_NA0010_123_134_20220822_00032.jpg



Looking at typical rodent holes within this section. (Spring 2018)

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	DWR UCIP LMA Responsibility			37.252308 °	37.252308 °
				-120.768038 °	-120.768038 °
DWR ID	19811				
Comment Code					
Inspector Comment					
DS_ID:19811 FS_ID:70992 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. Some debris buildup within the LS pipe inlet, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 15.0 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, (HLM 3.67). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.67). DWR As-Built Specification No. 63-25, Sheet No. 6, 9 May 1963, (HLM 3.67)]. FS Date: 6/1/2021					

Photo 1 of 1 : UCIP_FA_2022_70992_99695.jpg



LS view: Close up of pipe inlet at toe, some debris 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.248432 °	37.248432 °
				-120.764066 °	-120.764066 °
DWR ID	19769				
Comment Code					
Inspector Comment					
DS_ID:19769 FS_ID:70993 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. Some sediment buildup in LS pipe inlet, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.0 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, (HLM 4.01). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.02). DWR As-Built Specification No. 63-25, Sheet No. 6, 9 May 1963, (HLM 4.02)]. FS Date: 6/1/2021					

Photo 1 of 1 : UCIP_FA_2022_70993_99703.jpg



LS view: Close up of pipe inlet with sediment buildup at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.246008 °	37.246008 °
				-120.760706 °	-120.760706 °
DWR ID	19770				

Comment Code

Inspector Comment

DS_ID:19770
FS_ID:70994
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/1/2021 Record remains Non-Urgent. Sizable burrow complex on WS slope, with several holes around 3-4 inches wide, recommend filling in for levee integrity. There is also sediment buildup within the LS pipe inlet, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 4.27). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.27). DWR As-Built Specification No. 63-25, Sheet No. 6, 9 May 1963, (HLM 4.27)].
FS Date: 6/1/2021

LM Start	4.27	Rating **	M	Issue No.	1321 (cont)
LM End	4.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70994_99715.jpg



LS view: Close up of pipe inlet with sediment buildup at toe.

Photo 2 of 3 : UCIP_FA_2022_70994_99713.jpg



WS view: Burrow complex holes, 1 of 3 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.246008 °	37.246008 °
				-120.760706 °	-120.760706 °
DWR ID	19770				

Photo 3 of 3 : UCIP_FA_2022_70994_99709.jpg



WS view: Burrow complex holes on slope from toe, 3 of 3 photos.

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 1 : FA_2022_NA0010_123_131_20220822_00031.jpg



View of a large rodent hole in landward slope. (Fall 2018)

LM Start	4.33	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			37.245421 °	37.245421 °
				-120.759943 °	-120.759943 °
DWR ID	DWR_NA0010_05_f_2017_117				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_117_20220822_00019.jpg



Several rodent burrows observed at this location. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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

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	DWR UCIP LMA Responsibility			37.243668 °	37.243668 °
				-120.756812 °	-120.756812 °
DWR ID	19771				
Comment Code					
Inspector Comment					
DS_ID:19771 FS_ID:70995 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/1/2021 Record remains Non-Urgent. LS pipe inlet has sediment buildup inside, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 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, (HLM 4.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.54). DWR As-Built Specification No. 63-25, Sheet No. 6, 9 May 1963, (HLM 4.54)]. FS Date: 6/1/2021					

Photo 1 of 1 : UCIP_FA_2022_70995_99718.jpg



LS view: Close up of pipe inlet with sediment buildup at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	4.85	Rating **	M	Issue No.	100
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.241127 °	37.241127 °
				-120.752398 °	-120.752398 °
DWR ID	DWR_NA0010_05_s_2021_100				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several burrows and rodents observed at this location. Bait stations have been set up.					

Photo 1 of 1 : FA_2022_NA0010_123_100_20220822_00009.jpg



Several rodent burrows noted at this location. (Spring 2021)

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	DWR UCIP LMA Responsibility			37.240978 °	37.240978 °
				-120.751613 °	-120.751613 °
DWR ID	19772				
Comment Code					
Inspector Comment					
DS_ID:19772 FS_ID:70996 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/1/2021 The record remains Non-Urgent. LS pipe inlet has sediment buildup, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 4.89). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.89). DWR As-Built Specification No. 63-25, Sheet No. 7, 9 May 1963, (HLM 4.89)]. FS Date: 6/1/2021					

Photo 1 of 1 : UCIP_FA_2022_70996_100748.jpg



LS view: Inside pipe inlet with sediment buildup at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID	19773				
Comment Code					
Inspector Comment					
DS_ID:19773 FS_ID:70997 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/1/2021 The record remains Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 5.14). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.15). DWR As-Built Specification No. 63-25, Sheet No. 7, 9 May 1963, (HLM 5.15)]. FS Date: 6/1/2021					
LM Start	5.15	Rating **	M	Issue No.	1324 (cont)
LM End	5.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_70997_100756.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_70997_100760.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility		37.240607 °	37.240607 °	
			-120.746916 °	-120.746916 °	
DWR ID	19773				

Photo 3 of 3 : UCIP_FA_2022_70997_100754.jpg



LS view: Slope and headwall at toe.

LM Start	5.58	Rating **	M	Issue No.	1325
LM End	5.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.238879 °	37.238879 °	
			-120.739719 °	-120.739719 °	
DWR ID	19774				

Comment Code

Inspector Comment

DS_ID:19774
 FS_ID:70998
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/1/2021 The record has been upgraded from No Action Needed to Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. New concrete riser, plastic riser, and flowmeter off the LS toe going away from the levee. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 5.58). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.58). DWR As-Built Specification No. 63-25, Sheet No. 7, 9 May 1963, (HLM 5.58)].
 FS Date: 6/1/2021

Photo 1 of 3 : UCIP_FA_2022_70998_100766.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	5.58	Rating **	M	Issue No.	1325 (cont)
LM End	5.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.238879 °	37.238879 °	
			-120.739719 °	-120.739719 °	
DWR ID	19774				

Photo 2 of 3 : UCIP_FA_2022_70998_100768.jpg



LS view: Toe from crown.

LM Start	5.58	Rating **	M	Issue No.	1325 (cont)
LM End	5.58	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70998_100769.jpg



LS view: Slope from 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 1 : FA_2022_NA0010_123_138_20220822_00034.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	5.99	Rating **	A/W	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 °	37.231873 °
				-120.733344 °	-120.728310 °
DWR ID	DWR_NA0010_05_f_2017_116				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on both sides of the levee but the integrity of the levee is not compromised. Continue to monitor.					

No Photos

LM Start	6.35	Rating **	M	Issue No.	1326
LM End	6.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.232589 °	37.232589 °
				-120.728822 °	-120.728822 °
DWR ID	19775				
Comment Code					
Inspector Comment					
DS_ID:19775 FS_ID:70999 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/1/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS inlet blocked by barbed wire and was inaccessible, could not inspect. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 13.0 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, (HLM 6.35). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 6.35). DWR As-Built Specification No. 63-25, Sheet No. 8, 9 May 1963, (HLM 6.35)]. FS Date: 6/1/2021					

Photo 1 of 3 : UCIP_FA_2022_70999_100772.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	6.35	Rating **	M	Issue No.	1326 (cont)
LM End	6.35	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.232589 °	37.232589 °	
			-120.728822 °	-120.728822 °	
DWR ID	19775				

Photo 2 of 3 : UCIP_FA_2022_70999_100776.jpg



LS view: Toe from crown.

LM Start	6.35	Rating **	M	Issue No.	1326 (cont)
LM End	6.35	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_70999_100771.jpg



LS view: Headwall visible at toe behind barbed wire.

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 1 : FA_2022_NA0010_123_139_20220822_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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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

LM Start	6.56	Rating **	A/W	Issue No.	140
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.230013 °	37.230013 °
				-120.726832 °	-120.726832 °
DWR ID	DWR_NA0010_05_f_2018_140				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion on slope near the gate has been repaired with loose material. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_123_140_20220822_00036.jpg



Erosion on landward slope caused by animal foot traffic. (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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	6.59	Rating **	A/W	Issue No.	1309
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.229682 °	37.229682 °
				-120.726305 °	-120.726305 °
DWR ID	DWR_NA0010_05_s_2015_1309				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
The landside slope has damage caused by animal foot traffic but the integrity of the levee is not compromised. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_123_1309_20220822_00066.jpg



Looking upstream at damaged landside slope. (Fall 2018)

LM Start	6.70	Rating **	A/W	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					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.224560 °		37.224560 °
				-120.714057 °		-120.714057 °
DWR ID	19761					
Comment Code						
Inspector Comment						
DS_ID:19761 FS_ID:71000 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/9/2021 The record remains Non-Urgent. Sediment buildup in LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 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, (HLM 7.36). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 7.36). DWR As-Built Specification No. 63-25, Sheet No. 8, 9 May 1963, (HLM 7.36)]. FS Date: 6/9/2021						

Photo 1 of 1 : UCIP_FA_2022_71000_100779.jpg



LS view: Closeup of pipe inlet with sediment buildup at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	7.58	Rating **	M	Issue No.	1328	
LM End	7.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.221471 °	37.221471 °	
				-120.713780 °	-120.713780 °	
DWR ID	19762					
Comment Code						
Inspector Comment						
DS_ID:19762 FS_ID:71001 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 06/9/2021 The record remains Non-Urgent. No pipe visible on WS or LS during inspection, only indicator found. WS metal riser is bent. DWR DMP Geophysical study indicates possible presence of pipe through levee at (2305907, -13523234), coordinates have been updated. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 20.4 feet below the crown. Slide gate in a 36-inch CMP riser unit on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 7.57). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 7.58). DWR As-Built Specification No. 63-25, Sheet No. 9, 9 May 1963, (HLM 7.58)]. FS Date: 6/9/2021						

LM Start	7.58	Rating **	M	Issue No.	1328 (cont)
LM End	7.58	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71001_100786.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_71001_100784.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	7.58	Rating **	M	Issue No.	1328 (cont)
LM End	7.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.221471 °	37.221471 °
				-120.713780 °	-120.713780 °
DWR ID	19762				

Photo 3 of 3 : UCIP_FA_2022_71001_100785.jpg



LS view: Slope from toe, no pipe visible.

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	7.68	Rating **	M	Issue No.	1329	
LM End	7.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.217839 °	37.217839 °	
				-120.711462 °	-120.711462 °	
DWR ID	19844					
Comment Code						
Inspector Comment						
DS_ID:19844 FS_ID:71002 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/9/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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 (CMP) 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, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (recorded as Unit 10 HLM 0.02, located in Unit 5 CLM 7.68)]. FS Date: 6/9/2021						

Photo 1 of 3 : UCIP_FA_2022_71002_100805.jpg



Levee crown looking upstream.

LM Start	7.68	Rating **	M	Issue No.	1329 (cont)
LM End	7.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71002_100809.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	7.68	Rating **	M	Issue No.	1329 (cont)
LM End	7.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.217839 °	37.217839 °
				-120.711462 °	-120.711462 °
DWR ID	19844				

Photo 3 of 3 : UCIP_FA_2022_71002_100803.jpg



LS view: Slope and headwall at toe.

LM Start	8.09	Rating **	C	Issue No.	104
LM End	8.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			37.213580 °	37.213580 °
				-120.706550 °	-120.706550 °
DWR ID	DWR_NA0010_05_s_2017_104				
Comment Code					
AG : Access Gates					
Inspector Comment					
The gate has been removed.					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID	19763				

Comment Code

Inspector Comment

DS_ID:19763
FS_ID:71003
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 06/9/2021 The record remains Non-Urgent. Barbed wire over LS pipe inlet, limited inspection due to inaccessibility. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/22/2014 Pipe filled with silt on LS toe and should be cleared. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.0 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, (HLM 8.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.44). DWR As-Built Specification No. 63-25, Sheet No. 9, 9 May 1963, (HLM 8.44)].
FS Date: 6/9/2021

LM Start	8.46	Rating **	M	Issue No.	1330 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71003_100811.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_71003_100815.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility		37.209606 °	37.209606 °	
			-120.702069 °	-120.702069 °	
DWR ID	19763				

Photo 3 of 3 : UCIP_FA_2022_71003_100816.jpg



LS view: Slidegate visible at the toe behind barbed wire.

LM Start	9.28	Rating **	M	Issue No.	1331
LM End	9.28	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202742 °	37.202742 °	
			-120.690064 °	-120.690064 °	
DWR ID	19766				

Comment Code

Inspector Comment

DS_ID:19766
 FS_ID:71009
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 4b, Safety Issue
 Crossing Status: Found
 UCIP Comments: 06/9/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS pipe inlet was underwater during inspection, limited inspection. WS riser is missing half of the cover causing safety hazard. The LS pipe inlet is filled with sediment, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 14.8 feet below the crown. Slide gate in a 48-inch CMP riser unit on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 9.24). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.26). DWR As-Built Specification No. 61-01, Sheet No. 52, 7 March 1961, (HLM 9.26)].
 FS Date: 6/9/2021

Photo 1 of 2 : UCIP_FA_2022_71009_100872.jpg



WS view: Close up of riser and slidegate, missing partial cover.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	9.28	Rating **	M	Issue No.	1331 (cont)
LM End	9.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202742 °	37.202742 °
				-120.690064 °	-120.690064 °
DWR ID	19766				

Photo 2 of 2 : UCIP_FA_2022_71009_100874.jpg



WS view: Close up of pipe inlet at toe, filled with sediment.

LM Start	9.41	Rating **	M	Issue No.	101
LM End	9.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.201636 °	37.201240 °
				-120.688154 °	-120.687686 °
DWR ID	DWR_NA0010_05_s_2021_101				
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_2022_NA0010_123_101_20220822_00010.jpg



Multiple rodent holes in the waterside slope. (Spring 2021)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.194736 °	37.194736 °	
				-120.680116 °	-120.680116 °	
DWR ID	19767					
Comment Code						
Inspector Comment						
DS_ID:19767 FS_ID:71010 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/9/2021 The record remains Non-Urgent. LS pipe inlet is underwater, could not inspect. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/22/2014 Slidegate actuator appears bent and may not work properly (WS slope). (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 15.0 feet below the crown. Slide gate in a 36-inch CMP riser unit on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.04). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 10.05). DWR As-Built Specification No. 61-01, Sheet No. 52, 7 March 1961, (HLM 10.05)]. FS Date: 6/9/2021						

LM Start	10.06	Rating **	M	Issue No.	1332 (cont)
LM End	10.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71010_100878.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_71010_100883.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.194736 °	37.194736 °	
				-120.680116 °	-120.680116 °	
DWR ID	19767					

Photo 3 of 3 : UCIP_FA_2022_71010_100876.jpg



LS view: Closeup of pipe inlet at toe, underwater.

LM Start	10.10	Rating **	M	Issue No.	105
LM End	10.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.194344 °	37.194344 °
				-120.679708 °	-120.679708 °
DWR ID	DWR_NA0010_05_f_2020_105				
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_2022_NA0010_123_105_20220822_00013.jpg



View of rodent activity in the landside slope. (Fall 2020)

LM Start	10.45	Rating **	A/W	Issue No.	174
LM End	10.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.190964 °	37.190964 °
				-120.674862 °	-120.674862 °
DWR ID	DWR_NA0010_05_f_2022_174				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_174_20221010_00364.jpg



Erosion on the waterside slope from livestock activity. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	Trim / Thin Trees			37.190286 °	37.190286 °
				-120.671207 °	-120.671207 °
DWR ID	DWR_NA0010_05_f _ 2018_142				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					
A fallen tree is located on the landside toe and slope.					

Photo 1 of 1 : FA_2022_NA0010_123_142_20220822_00037.jpg



Fallen tree on landside toe and slope. (Fall 2018)

LM Start	10.79	Rating **	M	Issue No.	203
LM End	10.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.190285 °	37.190285 °
				-120.668869 °	-120.668869 °
DWR ID	DWR_NA0010_05_s_2020_203				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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					
T3 : Fallen tree with root ball.					
Inspector Comment					
Tree limbs on the levee slope should be trimmed to allow access.					

Photo 1 of 1 : FA_2022_NA0010_123_144_20220822_00038.jpg



View of tree limbs on levee slope. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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					
T3 : Fallen tree with root ball.					
Inspector Comment					
Fallen tree limbs are located on the levee toe.					

Photo 1 of 1 : FA_2022_NA0010_123_146_20220822_00039.jpg



Tree limbs and trunk on levee toe. (Spring 2020)

LM Start	11.49	Rating **	U	Issue No.	147
LM End	11.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.186482 °	37.186482 °
				-120.657935 °	-120.657935 °
DWR ID	DWR_NA0010_05_f_2021_147				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					
Tree limbs are located on landside slope and toe.					

Photo 1 of 1 : FA_2022_NA0010_123_147_20220822_00040.jpg



Tree limbs on levee toe. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	1333
LM End	11.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.186471 °	37.186471 °
				-120.657915 °	-120.657915 °
DWR ID	19768				
Comment Code					
Inspector Comment					
DS_ID:19768 FS_ID:71012 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: [Deadman Drain] 1 of 2: 48-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.0 feet below the crown. Slide gate in a 60-inch CMP riser unit 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, (HLM 11.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.48). DWR As-Built Specification No. 61-01, Sheet No. 53, 7 March 1961, (HLM 11.48)]. FS Date: 6/22/2021					

LM Start	11.49	Rating **	M	Issue No.	1333 (cont)
LM End	11.49	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71012_103968.jpg



View from levee crown.

Photo 2 of 3 : UCIP_FA_2022_71012_103970.jpg



LS view of slope from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	1333 (cont)
LM End	11.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.186471 °	37.186471 °	
			-120.657915 °	-120.657915 °	
DWR ID	19768				

Photo 3 of 3 : UCIP_FA_2022_71012_103973.jpg



LS view: concrete headwall and inlet pipe visible on slope.

LM Start	11.50	Rating **	M	Issue No.	1334
LM End	11.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.186458 °	37.186458 °	
			-120.657903 °	-120.657903 °	
DWR ID	19734				

Comment Code

Inspector Comment

DS_ID:19734
 FS_ID:71013
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: [Deadman Drain] 2 of 2: 48-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.0 feet below the crown. Slide gate in a 60-inch CMP riser unit 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, (HLM 11.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.48). DWR As-Built Specification No. 61-01, Sheet No. 53, 7 March 1961, (HLM 11.48)].
 FS Date: 6/22/2021

Photo 1 of 3 : UCIP_FA_2022_71013_104487.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	11.50	Rating **	M	Issue No.	1334 (cont)
LM End	11.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.186458 °	37.186458 °	
			-120.657903 °	-120.657903 °	
DWR ID	19734				

Photo 2 of 3 : UCIP_FA_2022_71013_104489.jpg



LS view: Toe from crown.

LM Start	11.50	Rating **	M	Issue No.	1334 (cont)
LM End	11.50	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71013_104486.jpg



LS view: Closeup of inlet at toe.

LM Start	11.51	Rating **	C	Issue No.	153
LM End	11.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.186302 °	37.186302 °
				-120.657741 °	-120.657741 °
DWR ID	DWR_NA0010_05_f _ 2021_153				
Comment Code					
GA : Garbage					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	11.65	Rating **	U	Issue No.	1335
LM End	11.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.184830 °	37.184830 °
				-120.656016 °	-120.656016 °
DWR ID	19704				
Comment Code					
Inspector Comment					
DS_ID:19704 FS_ID:71015 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Limited inspection of inlet pipe due to dense vegetation; removal recommended. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 11.60). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.63). DWR As-Built Specification No. 61-01, Sheet No. 53, 7 March 1961, (HLM 11.63)]. FS Date: 6/22/2021					

LM Start	11.65	Rating **	U	Issue No.	1335 (cont)
LM End	11.65	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71015_103981.jpg



LS view: closeup of concrete headwall and inlet pipe.

Photo 2 of 2 : UCIP_FA_2022_71015_103979.jpg



WS view: closeup of 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	12.00	Rating **	M	Issue No.	176
LM End	12.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.180484 °	37.176996 °
				-120.653945 °	-120.650989 °
DWR ID	DWR_NA0010_05_f _ 2022_176				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_176_20221010_00365.jpg



View of vegetation on the landside slope and toe. (Fall 2022)

LM Start	12.01	Rating **	U	Issue No.	1336	
LM End	12.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.180291 °	37.180291 °	
				-120.653931 °	-120.653931 °	
DWR ID	19705					
Comment Code						
Inspector Comment						
DS_ID:19705 FS_ID:71016 EP_NO: N/A Repair Type: Urgent EVAL Issue: 2b, Levee Integrity Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Limited inspection of LS due to dense vegetation; recommend removal. Erosion around concrete headwall on WS, at least 1 foot in depth. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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 WS end. Flashboard attachment on the LS end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 11.98). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.99). DWR As-Built Specification No. 61-01, Sheet No. 54, 7 March 1961, (HLM 11.99)]. FS Date: 6/22/2021						

Photo 1 of 2 : UCIP_FA_2022_71016_103983.jpg



LS view: slope from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	12.01	Rating **	U	Issue No.	1336 (cont)
LM End	12.01	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.180291 °	37.180291 °	
			-120.653931 °	-120.653931 °	
DWR ID	19705				

Photo 2 of 2 : UCIP_FA_2022_71016_103986.jpg



WS view: visible erosion around concrete headwall, 1 of 2 photos.

LM Start	12.40	Rating **	U	Issue No.	1337
LM End	12.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.175958 °	37.175958 °	
			-120.649798 °	-120.649798 °	
DWR ID	19706				

Comment Code

Inspector Comment

DS_ID:19706
 FS_ID:71017
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 1, Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Erosion around concrete headwall on WS, at least 1 foot in length. Limited inspection of LS due to vegetation and sediment; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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 a 45-degree angle. [Additional Reference(s): DWR Levee Log, 2002, (HLM 12.38). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 12.38). DWR As-Built Specification No. 61-01, Sheet No. 54, 7 March 1961, (HLM 12.38)].
 FS Date: 6/22/2021

Photo 1 of 3 : UCIP_FA_2022_71017_104007.jpg



LS view: Slope from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	12.40	Rating **	U	Issue No.	1337 (cont)
LM End	12.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.175958 °	37.175958 °	
			-120.649798 °	-120.649798 °	
DWR ID	19706				

Photo 2 of 3 : UCIP_FA_2022_71017_104003.jpg



WS view: closeup of flapgate and erosion, 1 of 3 photos.

LM Start	12.40	Rating **	U	Issue No.	1337 (cont)
LM End	12.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71017_104004.jpg



WS view: closeup of flapgate and erosion at toe, 2 of 3 photos.

LM Start	12.58	Rating **	M	Issue No.	179
LM End	12.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.175822 °	37.175799 °
				-120.646511 °	-120.642056 °
DWR ID	DWR_NA0010_05_f_2022_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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	12.82	Rating **	U	Issue No.	109
LM End	12.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.175814 °	37.175814 °
				-120.642171 °	-120.642171 °
DWR ID	DWR_NA0010_05_s_2021_109				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_109_20220822_00014.jpg



Fallen tree limbs on the landside toe and slope. (Spring 2021)

LM Start	12.88	Rating **	M	Issue No.	158
LM End	12.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.175807 °	37.175792 °
				-120.641139 °	-120.640242 °
DWR ID	DWR_NA0010_05_f _ 2019_158				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Tree limb on the landside slope should be removed.					

Photo 1 of 1 : FA_2022_NA0010_123_158_20220822_00048.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 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.175816 °	37.175816 °
				-120.640865 °	-120.640865 °
DWR ID	19707				
Comment Code					
Inspector Comment					
DS_ID:19707 FS_ID:71018 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Limited inspection of LS due to vegetation overgrowth; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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 the LS toe inlet. [Additional Reference(s): DWR Levee Log, 2002, (HLM 12.87). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 12.87). DWR As-Built Specification No. 61-01, Sheet No. 54, 7 March 1961, (HLM 12.87)]. FS Date: 6/22/2021					

LM Start	12.89	Rating **	M	Issue No.	1338 (cont)
LM End	12.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71018_103998.jpg



LS view: concrete headwall and inlet pipe at toe.

Photo 2 of 3 : UCIP_FA_2022_71018_103996.jpg



LS view: concrete headwall and inlet 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility		37.175816 °	37.175816 °	
			-120.640865 °	-120.640865 °	
DWR ID	19707				

Photo 3 of 3 : UCIP_FA_2022_71018_103995.jpg



WS view: closeup of flapgate.

LM Start	12.99	Rating **	U	Issue No.	2
LM End	13.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.175638 °	37.175576 °
				-120.639076 °	-120.638755 °
DWR ID	DWR_NA0010_05_s_2016_2				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
There are several downed trees on landside toe.					

Photo 1 of 1 : FA_2022_NA0010_123_2_20220822_00003.jpg



Looking west at down tree at landward toe. (Spring 2022)

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	Trim / Thin Trees			37.175314 °	37.175314 °
				-120.638034 °	-120.638034 °
DWR ID	DWR_NA0010_05_f _ 2018_150				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
There are tree trimmings on the levee slope and toe.					

Photo 1 of 1 : FA_2022_NA0010_123_150_20220822_00042.jpg



Tree trimmings on landside slope and 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	Trim / Thin Trees			37.174444 °	37.174444 °
				-120.636589 °	-120.636589 °
DWR ID	DWR_NA0010_05_f _ 2018_152				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
There is a tree trunk on landside toe.					

Photo 1 of 1 : FA_2022_NA0010_123_152_20220822_00043.jpg



Tree trunk on landside toe. (Fall 2018)

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	Trim / Thin Trees			37.173096 °	37.173096 °
				-120.635130 °	-120.635130 °
DWR ID	DWR_NA0010_05_s_2019_181				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

No Photos

LM Start	13.33	Rating **	U	Issue No.	112
LM End	13.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.172473 °	37.172033 °
				-120.634470 °	-120.634005 °
DWR ID	DWR_NA0010_05_s_2021_112				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_112_20220822_00016.jpg



View of tree limbs on the landside toe and slope. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	13.42	Rating **	U	Issue No.	170
LM End	13.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.171545 °	37.171545 °
				-120.633480 °	-120.633480 °
DWR ID	DWR_NA0010_05_s_2022_170				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_170_20220822_00057.jpg



Erosion from livestock on the waterside slope around the pipe crossing.
(Spring 2022)

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	DWR UCIP LMA Responsibility			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID	19708				
Comment Code					
Inspector Comment					

DS_ID:19708
FS_ID:71019
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/22/2021 The record remains Non-Urgent. Limited inspection of LS due to water around the inlet at the time of survey. LS inlet has sediment buildup, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/22/2014 Some erosion around headwall on the WS toe and there are animal burrows on both slopes. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Flap gate on the waterside (WS) end. Flashboard attachment in a concrete U-shaped headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 13.40). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 13.40)].
FS Date: 6/22/2021

Photo 1 of 2 : UCIP_FA_2022_71019_104014.jpg



LS view from toe: concrete headwall and inlet pipe. Slope visible in background.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility		37.171523 °	37.171523 °	
			-120.633442 °	-120.633442 °	
DWR ID	19708				

Photo 2 of 2 : UCIP_FA_2022_71019_104015.jpg



LS view from toe: closeup of concrete headwall and inlet.

LM Start	13.44	Rating **	U	Issue No.	209
LM End	13.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.171249 °	37.171249 °
				-120.633157 °	-120.633157 °
DWR ID	DWR_NA0010_05_s_2020_209				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Dead tree should be removed before it can damage the levee.					

Photo 1 of 1 : FA_2022_NA0010_123_209_20220822_00064.jpg



Dead tree falling over on the landside toe. (Spring 2022)

LM Start	13.49	Rating **	U	Issue No.	180
LM End	13.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.170689 °	37.170689 °
				-120.632569 °	-120.632569 °
DWR ID	DWR_NA0010_05_f_2022_180				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Tree trunk and limbs on the levee toe and slope.					

Photo 1 of 1 : FA_2022_NA0010_123_180_20221010_00366.jpg



Fallen trees and broken limbs on the landside slope and toe. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	182
LM End	13.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.169572 °	37.169572 °
				-120.631384 °	-120.631384 °
DWR ID	DWR_NA0010_05_f _ 2022_182				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_182_20221010_00367.jpg



Broken tree limbs on the landside toe and slope. (Fall 2022)

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	DWR UCIP LMA Responsibility			37.168202 °	37.168202 °	
				-120.629886 °	-120.629886 °	
DWR ID	19709					
Comment Code						
Inspector Comment						
DS_ID:19709 FS_ID:71020 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Only LS slidegate visible, nothing seen on WS. DWR DMP geophysical study did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)04/22/2014 Pipe not visible and may need to have silt removed from outlet on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on a concrete headwall at the landside (LS) toe. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 13.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (recorded as HLM 14.72, should be 13.72)]. FS Date: 6/22/2021						

Photo 1 of 3 : UCIP_FA_2022_71020_104016.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.168202 °	37.168202 °
				-120.629886 °	-120.629886 °
DWR ID	19709				

Photo 2 of 3 : UCIP_FA_2022_71020_104017.jpg



LS view of slope to toe from crown.

LM Start	13.72	Rating **	M	Issue No.	1340 (cont)
LM End	13.72	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71020_104018.jpg



WS view of slope from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	1341	
LM End	13.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.168188 °	37.168188 °	
				-120.629886 °	-120.629886 °	
DWR ID	19566					
Comment Code						
Inspector Comment						
DS_ID:19566 FS_ID:71021 EP_NO: 17044 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. Limited inspection of LS slidegate due to dense vegetation, recommend removal. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 2 of 2: 20-inch coated steel drainage discharge pipe through the levee, 2.0 feet below the crown. Pump station off the landside (LS) toe. Siphon breaker on the apex of the pipe on the LS shoulder. Pipe extends past waterside (WS) slope to outlet in channel. Riprap around WS pipe outlet. (Two pump stations, 24-inch steel pipe, and 20-inch steel pipe authorized under Permit No. 17044, 1999 - Merced National Wildlife Service/Ducks Unlimited, Inc.). FS Date: 6/22/2021						

Photo 1 of 3 : UCIP_FA_2022_71021_104469.jpg



Levee crown.

LM Start	13.72	Rating **	M	Issue No.	1341 (cont)
LM End	13.72	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2022_71021_104472.jpg



LS view: Meters on the toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	1341 (cont)
LM End	13.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.168188 °	37.168188 °
				-120.629886 °	-120.629886 °
DWR ID	19566				

Photo 3 of 3 : UCIP_FA_2022_71021_104473.jpg



LS view: Slope from toe.

LM Start	13.76	Rating **	C	Issue No.	113
LM End	13.76	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.167787 °	37.167787 °
				-120.629480 °	-120.629480 °
DWR ID	DWR_NA0010_05_s_2021_113				
Comment Code					
FE : Fence					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	13.85	Rating **	U	Issue No.	1342	
LM End	13.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.166760 °	37.166760 °	
				-120.628304 °	-120.628304 °	
DWR ID	19710					
Comment Code						
Inspector Comment						
DS_ID:19710 FS_ID:71023 EP_NO: N/A Repair Type: Urgent EVAL Issue: 2b, Levee Integrity Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Urgent. Subsidence along the WS slope that is at least 1 foot in length. Limited inspection of LS due to vegetation; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 13.84). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 13.83). DWR As-Built Specification No. 61-01, Sheet No. 55, 7 March 1961, (HLM 13.83)]. FS Date: 6/22/2021						

LM Start	13.85	Rating **	U	Issue No.	1342 (cont)
LM End	13.85	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71023_104025.jpg



LS view of slope from toe.

Photo 2 of 3 : UCIP_FA_2022_71023_104026.jpg



LS view: concrete wier intake structure at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	13.85	Rating **	U	Issue No.	1342 (cont)
LM End	13.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.166760 °	37.166760 °
				-120.628304 °	-120.628304 °
DWR ID	19710				

Photo 3 of 3 : UCIP_FA_2022_71023_104024.jpg



WS view from toe: concrete headwall, flapgate, and outlet pipe.
Subsidence along slope in background.

LM Start	14.39	Rating **	M	Issue No.	3
LM End	14.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.162949 °	37.162949 °
				-120.619138 °	-120.619138 °
DWR ID	NA0010U05RM12.22				

Comment Code

Inspector Comment

Site ID: NA0010U05RM12.22
 08/03/2022: No significant changes were observed since the previous inspection.
 07/21/2021: This site was discovered during the DWR Spring 2021 Levee Inspections. There is a series of erosion pockets along the lower levee slope and toe, ranging from 3 ft in length to 15 ft and 2 ft to 7 ft in scarp height. There are several of rodent holes on the entire levee slope.

Photo 1 of 2 : SJR2022_NA0010U05RM12.22_2.JPG



8/3/2022: Front 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	14.39	Rating **	M	Issue No.	3 (cont)
LM End	14.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.162949 °	37.162949 °
				-120.619138 °	-120.619138 °
DWR ID	NA0010U05RM12.22				

Photo 2 of 2 : SJR2022_NA0010U05RM12.22_3.JPG



8/3/2022: View of the erosion looking upstream.

LM Start	14.42	Rating **	U	Issue No.	119
LM End	14.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.162949 °	37.162540 °
				-120.619138 °	-120.618091 °
DWR ID	DWR_NA0010_05_s_2021_119				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Slope erosion on the waterside slope. Possibly caused by livestock.					

Photo 1 of 1 : FA_2022_NA0010_123_119_20220822_00021.jpg



Looking upstream along the waterside slope at erosion spots. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	14.46	Rating **	M	Issue No.	1343	
LM End	14.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.162722 °		37.162722 °
				-120.618571 °		-120.618571 °
DWR ID	19711					
Comment Code						
Inspector Comment						
DS_ID:19711 FS_ID:71024 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. Dense vegetation on LS; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 14.44). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 14.44)] FS Date: 6/22/2021						

Photo 1 of 1 : UCIP_FA_2022_71024_104033.jpg



LS view of slope from toe: concrete headwall visible in background.

LM Start	15.03	Rating **	A/W	Issue No.	106
LM End	15.03	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.157570 °	37.157570 °
				-120.610570 °	-120.610570 °
DWR ID	182-2				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:36					
Site Designation:182-2					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	15.11	Rating **	M	Issue No.	1344	
LM End	15.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.156805 °	37.156805 °	
				-120.609513 °	-120.609513 °	
DWR ID	19712					
Comment Code						
Inspector Comment						
DS_ID:19712 FS_ID:71025 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 6, Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Limited inspection on LS due to barbed wire and access issues. Build up of sediment at WS outlet pipe and LS inlet pipe; recommend removal. Some erosion along the WS slope, less than 1 foot. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/23/2014 Minor erosion at headwall on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 15.08). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 15.09)]. FS Date: 6/22/2021						

LM Start	15.11	Rating **	M	Issue No.	1344 (cont)
LM End	15.11	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71025_104051.jpg



LS view: Closeup of inlet pipe.

Photo 2 of 3 : UCIP_FA_2022_71025_104048.jpg



WS view from toe: concrete headwall, flapgate, and outlet pipe. Erosion along slope visible in background.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	15.11	Rating **	M	Issue No.	1344 (cont)	
LM End	15.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.156805 °	37.156805 °	
				-120.609513 °	-120.609513 °	
DWR ID	19712					

Photo 3 of 3 : UCIP_FA_2022_71025_104049.jpg



WS view from toe: closeup of flapgate and outlet pipe.

LM Start	15.21	Rating **	M	Issue No.	110
LM End	15.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.155782 °	37.155337 °
				-120.608075 °	-120.607449 °
DWR ID	DWR_NA0010_05_f_2020_110				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_110_20220822_00015.jpg



Erosion along the waterside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	15.30	Rating **	M	Issue No.	177	
LM End	15.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.154837 °	37.154837 °	
				-120.606737 °	-120.606737 °	
DWR ID	NA0010U05RM13.09					
Comment Code						
Inspector Comment						
Site ID: NA0010U05RM13.09 08/03/2022: From 2021 to present, no significant changes were observed during the annual survey. The erosion length was updated to 80 ft based on more accurate field measurements. 08/19/2020: This site was discovered during the DWR Spring 2020 Levee Inspections. There is a 20-ft long and an 8-ft long erosion pocket, with scarp heights of up to 3 ft. The erosion has cut into the levee prism. There are signs of rodent and cattle activity.						

Photo 1 of 2 : SJR2022_NA0010U05RM13.09_2.JPG



8/3/2022: View of the erosion looking downstream.

LM Start	15.30	Rating **	M	Issue No.	177 (cont)
LM End	15.32	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2022_NA0010U05RM13.09_3.JPG



8/3/2022: View of the erosion 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	15.76	Rating **	M	Issue No.	1345	
LM End	15.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.150012 °	37.150012 °	
				-120.601330 °	-120.601330 °	
DWR ID	19713					
Comment Code						
Inspector Comment						
DS_ID:19713 FS_ID:71026 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 15.74). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 15.74)]. FS Date: 6/22/2021						

Photo 1 of 3 : UCIP_FA_2022_71026_104037.jpg



View from levee crown.

LM Start	15.76	Rating **	M	Issue No.	1345 (cont)
LM End	15.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71026_104039.jpg



LS view of slope to toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	15.76	Rating **	M	Issue No.	1345 (cont)
LM End	15.76	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.150012 °	37.150012 °	
			-120.601330 °	-120.601330 °	
DWR ID	19713				

Photo 3 of 3 : UCIP_FA_2022_71026_104042.jpg



LS view of slope to toe. Concrete headwall visible at toe.

LM Start	15.81	Rating **	M	Issue No.	1346
LM End	15.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.149381 °	37.149381 °	
			-120.600761 °	-120.600761 °	
DWR ID	19715				

Comment Code

Inspector Comment

DS_ID:19715
 FS_ID:71028
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/22/2021 The record remains Non-Urgent.
 Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/23/2014 Excess vegetation at inlet on LS toe should be cleared. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 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, (HLM 15.79). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 15.80)].
 FS Date: 6/22/2021

Photo 1 of 3 : UCIP_FA_2022_71028_104057.jpg



View from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	15.81	Rating **	M	Issue No.	1346 (cont)
LM End	15.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.149381 °	37.149381 °
				-120.600761 °	-120.600761 °
DWR ID	19715				

Photo 2 of 3 : UCIP_FA_2022_71028_104056.jpg



LS view of slope to toe from crown. Concrete headwall visible at toe.

LM Start	15.81	Rating **	M	Issue No.	1346 (cont)
LM End	15.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71028_104061.jpg



LS view from toe: concrete headwall and inlet. Slope visible in background.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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 08/03/2022: The scarp height was updated to 3 ft and there is less vegetation cover than previously. 08/19/2020: Due to ongoing construction both up and downstream, this site could not be accessed and only be viewed from the opposite bank across the bypass. Unable to determine if the conditions changed since the previous inspection. 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 2 : SJR2022_NA0010U05RM13.85_2.JPG



8/3/2022: View of the erosion looking downstream.

LM Start	16.09	Rating **	M	Issue No.	1 (cont)
LM End	16.13	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2022_NA0010U05RM13.85_3.JPG



8/3/2022: View of the erosion and rodent holes 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	16.34	Rating **	M	Issue No.	173
LM End	16.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.143141 °	37.143141 °
				-120.595183 °	-120.595183 °
DWR ID	DWR_NA0010_05_s_2022_173				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_173_20220822_00059.jpg



Looking downstream along the waterside slope at erosion from livestock activity. (Spring 2022)

LM Start	16.68	Rating **	M	Issue No.	1347
LM End	16.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.138760 °	37.138760 °
				-120.592393 °	-120.592393 °
DWR ID	19716				
Comment Code					
Inspector Comment					

DS_ID:19716
 FS_ID:71029
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/22/2021 The record remains Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/23/2014 Pipe heavily silted on LS toe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 16.66). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 16.67). DWR As-Built Specification No. 61-01, Sheet No. 57, 7 March 1961, (HLM 16.67)].
 FS Date: 6/22/2021

Photo 1 of 3 : UCIP_FA_2022_71029_104063.jpg



View from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	16.68	Rating **	M	Issue No.	1347 (cont)
LM End	16.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.138760 °	37.138760 °
				-120.592393 °	-120.592393 °
DWR ID	19716				

Photo 2 of 3 : UCIP_FA_2022_71029_104064.jpg



LS view of slope to toe from crown.

LM Start	16.68	Rating **	M	Issue No.	1347 (cont)
LM End	16.68	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71029_104068.jpg



LS view from toe: concrete headwall and inlet. Slope visible in background.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	1348
LM End	17.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID	19717				
Comment Code					
Inspector Comment					
DS_ID:19717 FS_ID:71030 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 17.21). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 17.20)]. FS Date: 6/22/2021					

Photo 1 of 3 : UCIP_FA_2022_71030_104070.jpg



View from levee crown.

LM Start	17.22	Rating **	M	Issue No.	1348 (cont)
LM End	17.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71030_104071.jpg



LS view of slope to toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	1348 (cont)
LM End	17.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID	19717				

Photo 3 of 3 : UCIP_FA_2022_71030_104075.jpg



LS view at toe: concrete headwall and inlet. Slope visible in background.

LM Start	17.54	Rating **	M	Issue No.	155
LM End	17.54	Issue Type +	En	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.127871 °	37.127871 °
				-120.585273 °	-120.585273 °
DWR ID	DWR_NA0010_05_f_2021_155				
Comment Code					
Inspector Comment					
Livestock pen in the channel.					

Photo 1 of 1 : FA_2022_NA0010_123_155_20220822_00046.jpg



Landowner has put up a livestock pen within the bypass channel. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	17.54	Rating **	M	Issue No.	1349
LM End	17.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.127843 °	37.127843 °
				-120.585245 °	-120.585245 °
DWR ID	19743				
Comment Code					
Inspector Comment					
DS_ID:19743 FS_ID:71031 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 17.52). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 17.52). DWR As-Built Specification No. 61-01, Sheet No. 58, 7 March 1961, (HLM 17.52)]. FS Date: 6/22/2021					

Photo 1 of 3 : UCIP_FA_2022_71031_104077.jpg



View from levee crown.

LM Start	17.54	Rating **	M	Issue No.	1349 (cont)
LM End	17.54	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71031_104078.jpg



LS view of slope to toe from crown. Concrete headwall visible at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	17.54	Rating **	M	Issue No.	1349 (cont)
LM End	17.54	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.127843 °	37.127843 °	
			-120.585245 °	-120.585245 °	
DWR ID	19743				

Photo 3 of 3 : UCIP_FA_2022_71031_104082.jpg



LS view from toe: concrete headwall and inlet. Slope visible in background.

LM Start	18.09	Rating **	M	Issue No.	1350
LM End	18.09	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.120309 °	37.120309 °	
			-120.582041 °	-120.582041 °	
DWR ID	19745				

Comment Code

Inspector Comment

DS_ID:19745
FS_ID:71033
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/22/2021 The record remains Non-Urgent. Limited inspection of LS pipe inlet due to dense vegetation, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)

04/23/2014 Animal burrows in levee on both slopes. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 18.07). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 18.07). DWR As-Built Specification No. 61-01, Sheet No. 58, 7 March 1961, (HLM 18.07)].
FS Date: 6/22/2021

Photo 1 of 2 : UCIP_FA_2022_71033_104113.jpg



LS view: Slope from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	1350 (cont)
LM End	18.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID	19745				

Photo 2 of 2 : UCIP_FA_2022_71033_104114.jpg



LS view: Closeup of headwall and inlet buried under dense vegetation at toe.

LM Start	18.50	Rating **	U	Issue No.	114
LM End	18.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115960 °	37.115960 °
				-120.577170 °	-120.577170 °
DWR ID	DWR_NA0010_05_f_2020_114				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow appears to connect to hole in landside shoulder.					

Photo 1 of 1 : FA_2022_NA0010_123_114_20220822_00018.jpg



View of rodent burrow in the waterside shoulder. (Fall 2020)

LM Start	18.50	Rating **	U	Issue No.	118
LM End	18.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115960 °	37.115960 °
				-120.577170 °	-120.577170 °
DWR ID	DWR_NA0010_05_f_2020_118				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow appears to connect to hole in waterside shoulder.					

Photo 1 of 1 : FA_2022_NA0010_123_118_20220822_00020.jpg



Large rodent hole in the landside shoulder. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	18.56	Rating **	U	Issue No.	183
LM End	18.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115653 °	37.115653 °
				-120.576199 °	-120.576199 °
DWR ID	DWR_NA0010_05_f_2022_183				
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_2022_NA0010_123_183_20221010_00368.jpg



Large animal burrow on the landside slope. (Fall 2022)

LM Start	18.62	Rating **	U	Issue No.	126
LM End	18.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115481 °	37.115481 °
				-120.575126 °	-120.575126 °
DWR ID	DWR_NA0010_05_f_2020_126				
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_2022_NA0010_123_126_20220822_00026.jpg



Several large rodent holes observed at this location. (Fall 2020)

*** 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 2022

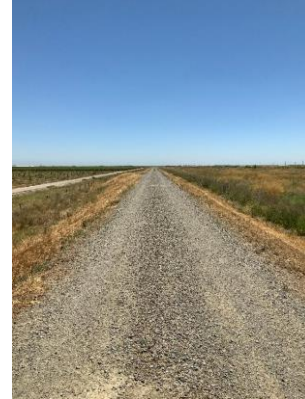
Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	18.70	Rating **	M	Issue No.	1351
LM End	18.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.115472 °	37.115472 °
				-120.573628 °	-120.573628 °
DWR ID	19746				
Comment Code					
Inspector Comment					
DS_ID:19746 FS_ID:71034 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 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, (HLM 18.68). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 18.68). DWR As-Built Specification No. 64-01, Sheet No. 3, 6 November 1963, (HLM 18.68)]. FS Date: 6/22/2021					

LM Start	18.70	Rating **	M	Issue No.	1351 (cont)
LM End	18.70	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71034_104120.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71034_104121.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.15	Rating **	M	Issue No.	1352
LM End	19.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.115466 °	37.115466 °
				-120.565467 °	-120.565467 °
DWR ID	19747				
Comment Code					
Inspector Comment					
DS_ID:19747 FS_ID:71035 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/22/2021 The record remains Non-Urgent. Limited inspection due to LS inlet being covered by dense tumbleweeds, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 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, (HLM 19.13). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.11). DWR As-Built Specification No. 64-01, Sheet No. 3, 6 November 1963, (HLM 19.11)]. FS Date: 6/22/2021					

LM Start	19.15	Rating **	M	Issue No.	1352 (cont)
LM End	19.15	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71035_104125.jpg



LS view: Slope and headwall at toe.

Photo 2 of 2 : UCIP_FA_2022_71035_104126.jpg



LS view: Closeup of inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	1353	
LM End	19.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.115463 °	37.115463 °	
				-120.565086 °	-120.565086 °	
DWR ID	19776					
Comment Code						
Inspector Comment						
DS_ID:19776 FS_ID:71036 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. Some tumbleweed buildup around LS inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 19.15). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.15). DWR As-Built Specification No. 64-01, Sheet No. 3, 6 November 1963, (HLM 19.15)]. FS Date: 6/22/2021						

LM Start	19.17	Rating **	M	Issue No.	1353 (cont)
LM End	19.17	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71036_104132.jpg



LS view: Headwall and slope from toe.

Photo 2 of 2 : UCIP_FA_2022_71036_104133.jpg



LS view: Closeup of inlet covered by tumbleweeds at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.48	Rating **	U	Issue No.	1354	
LM End	19.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.113542 °	37.113542 °	
				-120.560389 °	-120.560389 °	
DWR ID	19777					
Comment Code						
Inspector Comment						
DS_ID:19777 FS_ID:71037 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/22/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Limited inspection of LS inlet due to vegetation, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)04/23/2014 Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 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, (HLM 19.46). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.46). DWR As-Built Specification No. 64-01, Sheet No. 3, 6 November 1963, (HLM 19.46)]. FS Date: 6/22/2021						

Photo 1 of 2 : UCIP_FA_2022_71037_104141.jpg



WS view: Closeup of flapgate at toe.

LM Start	19.48	Rating **	U	Issue No.	1354 (cont)
LM End	19.48	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_71037_104143.jpg



LS view: Closeup of inlet covered by vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

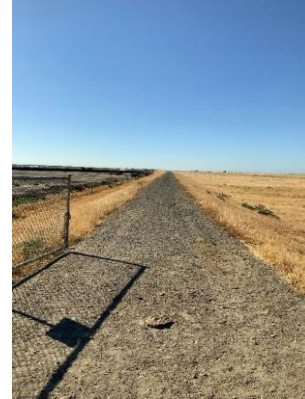
Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.112953 °	37.112953 °	
				-120.559943 °	-120.559943 °	
DWR ID	19778					
Comment Code						
Inspector Comment						
DS_ID:19778 FS_ID:71039 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 19.50). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.50). DWR As-Built Specification No. 64-01, Sheet No. 3, 6 November 1963, (HLM 19.50)]. FS Date: 6/23/2021						

LM Start	19.52	Rating **	M	Issue No.	1355 (cont)
LM End	19.52	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71039_104146.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71039_104147.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility		37.112953 °	37.112953 °	
			-120.559943 °	-120.559943 °	
DWR ID	19778				

Photo 3 of 3 : UCIP_FA_2022_71039_104144.jpg



LS view: Headwall and slope at toe.

LM Start	19.55	Rating **	M	Issue No.	185
LM End	19.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.112675 °	37.112675 °
				-120.559535 °	-120.559535 °
DWR ID	DWR_NA0010_05_f_2022_185				
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_2022_NA0010_123_185_20221010_00370.jpg



View of rodent burrows in the landside slope. (Fall 2022)

LM Start	19.61	Rating **	M	Issue No.	157
LM End	19.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.112089 °	37.112089 °
				-120.558929 °	-120.558929 °
DWR ID	DWR_NA0010_05_s_2021_157				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.64	Rating **	U	Issue No.	128
LM End	19.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111664 °	37.111664 °
				-120.558511 °	-120.558511 °
DWR ID	DWR_NA0010_05_f_2020_128				
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_2022_NA0010_123_128_20220822_00028.jpg



View of rodent activity on the waterside slope. (Fall 2020)

LM Start	19.65	Rating **	M	Issue No.	133
LM End	19.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111599 °	37.111599 °
				-120.558443 °	-120.558443 °
DWR ID	DWR_NA0010_05_f_2020_133				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.86	Rating **	U	Issue No.	1356
LM End	19.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.109284 °	37.109284 °
				-120.555948 °	-120.555948 °
DWR ID	19779				

Comment Code

Inspector Comment

DS_ID:19779
FS_ID:71040
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. WS flapgate has holes in it. LS pipe inlet has some minor debris buildup. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 19.83). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.84). DWR As-Built Specification No. 64-01, Sheet No. 4, 6 November 1963, (HLM 19.84)].
FS Date: 6/23/2021

LM Start	19.86	Rating **	U	Issue No.	1356 (cont)
LM End	19.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71040_104154.jpg



LS view: Closeup of pipe inlet at toe.

Photo 2 of 3 : UCIP_FA_2022_71040_104110.jpg



WS view: Closeup of deterioration of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.86	Rating **	U	Issue No.	1356 (cont)
LM End	19.86	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.109284 °	37.109284 °	
			-120.555948 °	-120.555948 °	
DWR ID	19779				

Photo 3 of 3 : UCIP_FA_2022_71040_104152.jpg



WS view: Closeup of flapgate at toe.

LM Start	19.94	Rating **	M	Issue No.	1357
LM End	19.94	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.108426 °	37.108426 °	
			-120.554990 °	-120.554990 °	
DWR ID	19780				

Comment Code

Inspector Comment

DS_ID:19780
 FS_ID:71041
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 19.92). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.92). DWR As-Built Specification No. 64-01, Sheet No. 4, 6 November 1963, (HLM 19.92)].
 FS Date: 6/23/2021

Photo 1 of 3 : UCIP_FA_2022_71041_104156.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	19.94	Rating **	M	Issue No.	1357 (cont)
LM End	19.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.108426 °	37.108426 °
				-120.554990 °	-120.554990 °
DWR ID	19780				

Photo 2 of 3 : UCIP_FA_2022_71041_104157.jpg



LS view: Toe from crown.

LM Start	19.94	Rating **	M	Issue No.	1357 (cont)
LM End	19.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71041_104155.jpg



LS view: Inside pipe inlet at toe.

LM Start	20.04	Rating **	M	Issue No.	165
LM End	20.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.107774 °	37.107774 °
				-120.554237 °	-120.554237 °
DWR ID	DWR_NA0010_05_s_2021_165				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	20.10	Rating **	M	Issue No.	1358
LM End	20.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.107091 °	37.107091 °
				-120.553503 °	-120.553503 °
DWR ID	19781				
Comment Code					
Inspector Comment					
DS_ID:19781 FS_ID:71042 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 20.04). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 20.05). DWR As-Built Specification No. 64-01, Sheet No. 4, 6 November 1963, (HLM 20.05)]. FS Date: 6/23/2021					
LM Start	20.10	Rating **	M	Issue No.	1358 (cont)
LM End	20.10	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71042_104163.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71042_104164.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	20.10	Rating **	M	Issue No.	1358 (cont)
LM End	20.10	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.107091 °	37.107091 °	
			-120.553503 °	-120.553503 °	
DWR ID	19781				

Photo 3 of 3 : UCIP_FA_2022_71042_104161.jpg



LS view: Slope and headwall from toe.

LM Start	20.24	Rating **	M	Issue No.	1359
LM End	20.24	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.105489 °	37.105489 °	
			-120.551886 °	-120.551886 °	
DWR ID	19783				

Comment Code

Inspector Comment

DS_ID:19783
 FS_ID:71043
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Limited inspection of LS pipe inlet due to tumbleweeds, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 20.18). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 20.18). DWR As-Built Specification No. 64-01, Sheet No. 4, 6 November 1963, (HLM 20.18)].
 FS Date: 6/23/2021

Photo 1 of 2 : UCIP_FA_2022_71043_104168.jpg



LS view: Slope and headwall from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	20.24	Rating **	M	Issue No.	1359 (cont)
LM End	20.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.105489 °	37.105489 °
				-120.551886 °	-120.551886 °
DWR ID	19783				

Photo 2 of 2 : UCIP_FA_2022_71043_104169.jpg



LS view: Closeup of pipe inlet at toe.

LM Start	20.38	Rating **	M	Issue No.	186
LM End	23.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.103960 °	37.073142 °
				-120.550348 °	-120.516854 °
DWR ID	DWR_NA0010_05_f_2022_186				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_186_20221010_00371.jpg



Looking downstream along the landside slope. (Fall 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	20.65	Rating **	U	Issue No.	1360
LM End	20.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.100903 °	37.100903 °
				-120.547282 °	-120.547282 °
DWR ID	19784				
Comment Code					
Inspector Comment					
DS_ID:19784 FS_ID:71044 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Some tumbleweed buildup at LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 20.58). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 20.59). DWR As-Built Specification No. 64-01, Sheet No. 4, 6 November 1963, (HLM 20.59)]. FS Date: 6/23/2021					

Photo 1 of 1 : UCIP_FA_2022_71044_104180.jpg



LS view: Tumbleweeds in pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	20.93	Rating **	M	Issue No.	135
LM End	20.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.097826 °	37.097826 °
				-120.543984 °	-120.543984 °
DWR ID	DWR_NA0010_05_f _ 2020_135				
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_2022_NA0010_123_135_20220822_00033.jpg



View of rodent burrow in the landside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.13	Rating **	U	Issue No.	1361
LM End	21.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.095603 °	37.095603 °
				-120.541593 °	-120.541593 °
DWR ID	19785				

Comment Code

Inspector Comment

DS_ID:19785
FS_ID:71045
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 06/23/2021 The record is being upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Tumbleweed and debris covering LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 21.07). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 21.08). DWR As-Built Specification No. 64-01, Sheet No. 5, 6 November 1963, (HLM 21.08)].
FS Date: 6/23/2021

LM Start	21.13	Rating **	U	Issue No.	1361 (cont)
LM End	21.13	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71045_104182.jpg



LS view: Debris inside pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71045_104187.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.32	Rating **	M	Issue No.	187
LM End	21.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.093578 °	37.093578 °
				-120.539403 °	-120.539403 °
DWR ID	DWR_NA0010_05_f _ 2022_187				
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_2022_NA0010_123_187_20221010_00372.jpg



View of a rodent burrow on the landside slope. (Fall 2022).

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.48	Rating **	U	Issue No.	1362
LM End	21.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.091755 °	37.091755 °
				-120.537414 °	-120.537414 °
DWR ID	19786				
Comment Code					
Inspector Comment					
DS_ID:19786 FS_ID:71046 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Potential hole in WS flapgate. Sand buildup around WS flapgate preventing it from opening easily, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 21.43). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 21.42). DWR As-Built Specification No. 64-01, Sheet No. 5, 6 November 1963, (HLM 21.42)]. FS Date: 6/23/2021					

Photo 1 of 3 : UCIP_FA_2022_71046_104190.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.48	Rating **	U	Issue No.	1362 (cont)
LM End	21.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.091755 °	37.091755 °
				-120.537414 °	-120.537414 °
DWR ID	19786				

Photo 2 of 3 : UCIP_FA_2022_71046_104188.jpg



WS view: Closeup of potential gap in flapgate at toe.

LM Start	21.48	Rating **	U	Issue No.	1362 (cont)
LM End	21.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71046_104189.jpg



WS view: Closeup of flapgate with sand buildup at 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.91	Rating **	U	Issue No.	1363	
LM End	21.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.087525 °	37.087525 °	
				-120.532827 °	-120.532827 °	
DWR ID	19787					
Comment Code						
Inspector Comment						
DS_ID:19787 FS_ID:71047 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Standing water on both WS outlet and LS inlet, limiting closeup inspection on both sides. Water appeared to be leaking through the WS flapgate, even though it was closed. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 21.81). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 21.81). DWR As-Built Specification No. 64-01, Sheet No. 5, 6 November 1963, (HLM 21.81)]. FS Date: 6/23/2021						

Photo 1 of 2 : UCIP_FA_2022_71047_104197.jpg



LS view: Closeup of pipe inlet and water at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.91	Rating **	U	Issue No.	1363 (cont)
LM End	21.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.087525 °	37.087525 °
				-120.532827 °	-120.532827 °
DWR ID	19787				

Photo 2 of 2 : UCIP_FA_2022_71047_104202.jpg



WS view: Closeup of flapgate and water at 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	21.95	Rating **	U	Issue No.	1364
LM End	21.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.087108 °	37.087108 °
				-120.532374 °	-120.532374 °
DWR ID	19788				
Comment Code					
Inspector Comment					
DS_ID:19788 FS_ID:71048 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Limited inspection of the LS pipe inlet due to dense tumbleweeds and vegetation, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 21.85). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 21.85). DWR As-Built Specification No. 64-01, Sheet No. 5, 6 November 1963, (HLM 21.85)]. FS Date: 6/23/2021					

Photo 1 of 1 : UCIP_FA_2022_71048_104204.jpg



LS view: Closeup of pipe inlet and vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	22.28	Rating **	U	Issue No.	1365
LM End	22.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID	19789				
Comment Code					
Inspector Comment					
DS_ID:19789 FS_ID:71049 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Some vegetation growing over LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 22.18). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 22.19). DWR As-Built Specification No. 64-01, Sheet No. 5, 6 November 1963, (HLM 22.19)]. FS Date: 6/23/2021					

Photo 1 of 2 : UCIP_FA_2022_71049_104210.jpg



LS view: Closeup of inlet covered by vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	22.28	Rating **	U	Issue No.	1365 (cont)
LM End	22.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID	19789				

Photo 2 of 2 : UCIP_FA_2022_71049_104215.jpg



WS view: Closeup of flapgate at toe.

LM Start	22.28	Rating **	M	Issue No.	121
LM End	22.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.083388 °	37.082696 °
				-120.528382 °	-120.527620 °
DWR ID	DWR_NA0010_05_f _ 2017_121				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Waterside slope damaged by animal traffic.					

Photo 1 of 1 : FA_2022_NA0010_123_121_20221010_00373.jpg



Looking southeast at the waterside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	22.55	Rating **	U	Issue No.	1366
LM End	22.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.080486 °	37.080486 °
				-120.525180 °	-120.525180 °
DWR ID	19790				
Comment Code					
Inspector Comment					
DS_ID:19790 FS_ID:71050 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Possible hole in WS flapgate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 22.46). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 22.46). DWR As-Built Specification No. 64-01, Sheet No. 6, 6 November 1963, (HLM 22.46)]. FS Date: 6/23/2021					

Photo 1 of 3 : UCIP_FA_2022_71050_104218.jpg



LS view: Inside pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	22.55	Rating **	U	Issue No.	1366 (cont)
LM End	22.55	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.080486 °	37.080486 °	
			-120.525180 °	-120.525180 °	
DWR ID	19790				

Photo 2 of 3 : UCIP_FA_2022_71050_104222.jpg



WS view: Slope, headwall, and flapgate from toe.

LM Start	22.55	Rating **	U	Issue No.	1366 (cont)
LM End	22.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71050_104223.jpg



WS view: Closeup of hole in flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	22.89	Rating **	U	Issue No.	1367	
LM End	22.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.076830 °	37.076830 °	
				-120.521116 °	-120.521116 °	
DWR ID	19791					
Comment Code						
Inspector Comment						
DS_ID:19791 FS_ID:71051 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Deterioration of the underside of the WS flapgate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 22.79). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 22.79). DWR As-Built Specification No. 64-01, Sheet No. 6, 6 November 1963, (HLM 22.79)]. FS Date: 6/23/2021						

Photo 1 of 3 : UCIP_FA_2022_71051_104228.jpg



LS view: Inside pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	22.89	Rating **	U	Issue No.	1367 (cont)
LM End	22.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.076830 °	37.076830 °
				-120.521116 °	-120.521116 °
DWR ID	19791				

Photo 2 of 3 : UCIP_FA_2022_71051_104224.jpg



WS view: Closeup of flapgate at toe.

LM Start	22.89	Rating **	U	Issue No.	1367 (cont)
LM End	22.89	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71051_104225.jpg



WS view: Deterioration and holes underneath flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/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

Lower San Joaquin Levee District

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	23.17	Rating **	M	Issue No.	1369 (cont)
LM End	23.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.073901 °	37.073901 °
				-120.517651 °	-120.517651 °
DWR ID	19793				

Photo 2 of 2 : UCIP_FA_2022_71053_104334.jpg



LS view: Closeup of inlet at toe.

LM Start	23.24	Rating **	M	Issue No.	160
LM End	23.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.073064 °	37.068260 °
				-120.516771 °	-120.511583 °
DWR ID	DWR_NA0010_05_f _ 2018_160				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is slope damage caused by livestock on waterside.					

Photo 1 of 1 : FA_2022_NA0010_123_160_20220822_00049.jpg



Slope damage cause by livestock foot traffic. (Spring 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	23.25	Rating **	M	Issue No.	1370
LM End	23.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.072989 °	37.072989 °
				-120.516687 °	-120.516687 °
DWR ID	19794				
Comment Code					
Inspector Comment					
DS_ID:19794 FS_ID:71054 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 23.14). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 23.15). DWR As-Built Specification No. 64-01, Sheet No. 6, 6 November 1963, (HLM 23.15)]. FS Date: 6/23/2021					

LM Start	23.25	Rating **	M	Issue No.	1370 (cont)
LM End	23.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71054_104342.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71054_104343.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	23.25	Rating **	M	Issue No.	1370 (cont)
LM End	23.25	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.072989 °	37.072989 °	
			-120.516687 °	-120.516687 °	
DWR ID	19794				

Photo 3 of 3 : UCIP_FA_2022_71054_104345.jpg



LS view: Slope and headwall from toe.

LM Start	23.61	Rating **	U	Issue No.	1371
LM End	23.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.069012 °	37.069012 °	
			-120.512396 °	-120.512396 °	
DWR ID	19795				

Comment Code

Inspector Comment

DS_ID:19795
 FS_ID:71055
 EP_NO: 13829
 Repair Type: Urgent
 EVAL Issue: 3a, Flood Risk
 Crossing Status: Found
 UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Urgent. Appears abandoned, WS pipe is missing parts as there are open holes without flapgates that would potentially allow water through, see photos. Open on both ends. Confirm with owner on the status of this pipe. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 1 of 2: 16-inch coated steel irrigation discharge pipe through the levee, 4.0 feet below the crown. Steel cutoff wall around the pipe at the center of the levee. Slant pump off the waterside (WS) toe. Siphon breaker in a 10-inch steel pipe riser unit on the landside (LS) shoulder. A preexisting ditch runs from the WS toe to the channel. Rock revetment on the cut slopes of the inlet channel. (Pump and 16-inch pipe authorized under Permit No. 13829, 1984 - John H. Sorenson, Inc.). [Additional Reference(s): DWR Levee Log, 2002, (HLM 23.51)].
 FS Date: 6/23/2021

Photo 1 of 2 : UCIP_FA_2022_71055_104368.jpg



WS view: Closeup of pipe with missing valves or covers, 1 of 2 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	23.61	Rating **	U	Issue No.	1371 (cont)
LM End	23.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.069012 °	37.069012 °	
			-120.512396 °	-120.512396 °	
DWR ID	19795				

Photo 2 of 2 : UCIP_FA_2022_71055_104366.jpg



WS view: Pump and pipe off the toe, 2 of 2 photos.

LM Start	23.72	Rating **	U	Issue No.	1372
LM End	23.72	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.067799 °	37.067799 °	
			-120.511093 °	-120.511093 °	
DWR ID	19796				

Comment Code

Inspector Comment

DS_ID:19796
 FS_ID:71057
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 1, Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)03/25/2014 Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 23.61). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 23.62). DWR As-Built Specification No. 64-01, Sheet No. 7, 6 November 1963, (HLM 23.62)].
 FS Date: 6/23/2021

Photo 1 of 2 : UCIP_FA_2022_71057_104378.jpg



LS view: Closeup of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	23.72	Rating **	U	Issue No.	1372 (cont)
LM End	23.72	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.067799 °	37.067799 °	
			-120.511093 °	-120.511093 °	
DWR ID	19796				

Photo 2 of 2 : UCIP_FA_2022_71057_104383.jpg



WS view: Closeup of flapgate at toe.

LM Start	24.02	Rating **	U	Issue No.	1373
LM End	24.02	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.064494 °	37.064494 °	
			-120.507531 °	-120.507531 °	
DWR ID	19797				

Comment Code

Inspector Comment

DS_ID:19797
 FS_ID:71058
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 1, Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Small hole seen in the front of the WS flapgate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)03/25/2014 Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 23.92). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 23.85). DWR As-Built Specification No. 64-01, Sheet No. 7, 6 November 1963, (HLM 23.85)].
 FS Date: 6/23/2021

Photo 1 of 3 : UCIP_FA_2022_71058_104384.jpg



LS view: Slope and headwall from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.02	Rating **	U	Issue No.	1373 (cont)	
LM End	24.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.064494 °		37.064494 °
				-120.507531 °		-120.507531 °
DWR ID	19797					

Photo 2 of 3 : UCIP_FA_2022_71058_104385.jpg



LS view: Closeup of inside inlet at toe.

LM Start	24.02	Rating **	U	Issue No.	1373 (cont)
LM End	24.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71058_104390.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.061724 °	37.061724 °	
				-120.504512 °	-120.504512 °	
DWR ID	19798					
Comment Code						
Inspector Comment						
DS_ID:19798 FS_ID:71059 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 24.18). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 24.18). DWR As-Built Specification No. 64-01, Sheet No. 7, 6 November 1963, (HLM 24.18)]. FS Date: 6/23/2021						

Photo 1 of 3 : UCIP_FA_2022_71059_104393.jpg



Levee crown.

LM Start	24.28	Rating **	M	Issue No.	1374 (cont)
LM End	24.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71059_104395.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.061724 °	37.061724 °
				-120.504512 °	-120.504512 °
DWR ID	19798				

Photo 3 of 3 : UCIP_FA_2022_71059_104391.jpg



LS view: Slope and headwall from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.56	Rating **	U	Issue No.	1375	
LM End	24.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.058673 °	37.058673 °	
				-120.501238 °	-120.501238 °	
DWR ID	19799					
Comment Code						
Inspector Comment						
DS_ID:19799 FS_ID:71060 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Hole visible on underneath of flapgate on WS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 24.46). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 24.46). DWR As-Built Specification No. 64-01, Sheet No. 7, 6 November 1963, (HLM 24.46)]. FS Date: 6/23/2021						

LM Start	24.56	Rating **	U	Issue No.	1375 (cont)
LM End	24.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71060_104406.jpg



WS view: Closeup of flapgate at toe.

Photo 2 of 3 : UCIP_FA_2022_71060_104398.jpg



WS view: Closeup of hole under flapgate at toe, 1 of 2 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.56	Rating **	U	Issue No.	1375 (cont)
LM End	24.56	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.058673 °	37.058673 °	
			-120.501238 °	-120.501238 °	
DWR ID	19799				

Photo 3 of 3 : UCIP_FA_2022_71060_104399.jpg



WS view: Closeup of hole under flapgate at toe, 2 of 2 photos.

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_2022_NA0010_123_175_20220822_00060.jpg



Sections of concrete pipe left along the landside toe. (Fall 2019)

LM Start	24.79	Rating **	M	Issue No.	188
LM End	24.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.056122 °	37.056122 °
				-120.498432 °	-120.498432 °
DWR ID	DWR_NA0010_05_f_2022_188				
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_2022_NA0010_123_188_20221010_00374.jpg



Several rodent burrows observed on the waterside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.84	Rating **	M	Issue No.	190
LM End	24.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.055582 °	37.055582 °
				-120.497759 °	-120.497759 °
DWR ID	DWR_NA0010_05_f_2022_190				
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_2022_NA0010_123_190_20221010_00375.jpg



View of multiple rodent holes on the waterside slope. (Fall 2022)

LM Start	24.93	Rating **	M	Issue No.	1376
LM End	24.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.054481 °	37.054481 °
				-120.496798 °	-120.496798 °
DWR ID	19800				
Comment Code					
Inspector Comment					
DS_ID:19800 FS_ID:71061 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 24.82). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 24.82). DWR As-Built Specification No. 64-01, Sheet No. 7, 6 November 1963, (HLM 24.82)]. FS Date: 6/23/2021					

Photo 1 of 3 : UCIP_FA_2022_71061_104409.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.93	Rating **	M	Issue No.	1376 (cont)
LM End	24.93	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.054481 °	37.054481 °	
			-120.496798 °	-120.496798 °	
DWR ID	19800				

Photo 2 of 3 : UCIP_FA_2022_71061_104411.jpg



LS view: Toe from crown.

LM Start	24.93	Rating **	M	Issue No.	1376 (cont)
LM End	24.93	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71061_104407.jpg



LS view: Slope and headwall from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.96	Rating **	M	Issue No.	1377	
LM End	24.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.054344 °	37.054344 °	
				-120.496214 °	-120.496214 °	
DWR ID	19801					
Comment Code						
Inspector Comment						
DS_ID:19801 FS_ID:71062 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 24.86). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 24.87). DWR As-Built Specification No. 64-01, Sheet No. 7, 6 November 1963, (HLM 24.87)]. FS Date: 6/23/2021						

LM Start	24.96	Rating **	M	Issue No.	1377 (cont)
LM End	24.96	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71062_104416.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71062_104417.jpg



LS view: Slope and headwall from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	24.96	Rating **	M	Issue No.	1377 (cont)
LM End	24.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.054344 °	37.054344 °
				-120.496214 °	-120.496214 °
DWR ID	19801				

Photo 3 of 3 : UCIP_FA_2022_71062_104418.jpg



LS view: Inside pipe inlet at toe.

LM Start	25.01	Rating **	M	Issue No.	166
LM End	25.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.053876 °	37.053538 °
				-120.495648 °	-120.495228 °
DWR ID	DWR_NA0010_05_f _ 2021_166				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_166_20220822_00053.jpg



View of slope damage on the landside slope. (Fall 2021)

LM Start	25.09	Rating **	M	Issue No.	123
LM End	25.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.053103 °	37.053103 °
				-120.494651 °	-120.494651 °
DWR ID	DWR_NA0010_05_f_2017_123				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_123_20220822_00023.jpg



View of the landside slope looking upstream. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	1378
LM End	25.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.051477 °	37.051477 °
				-120.492650 °	-120.492650 °
DWR ID	19803				
Comment Code					
Inspector Comment					
DS_ID:19803 FS_ID:71064 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 03/25/2014 Flapgate propped open during flood season. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 25.14). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (recorded incorrectly as HLM 25.43, should be 25.13). DWR As-Built Specification No. 64-01, Sheet No. 8, 6 November 1963, (HLM 25.13)]. FS Date: 6/23/2021					

LM Start	25.24	Rating **	M	Issue No.	1378 (cont)
LM End	25.24	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71064_104424.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71064_104426.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	1378 (cont)
LM End	25.24	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.051477 °	37.051477 °	
			-120.492650 °	-120.492650 °	
DWR ID	19803				

Photo 3 of 3 : UCIP_FA_2022_71064_104422.jpg



LS view: Slope and headwall from toe.

LM Start	25.28	Rating **	M	Issue No.	9
LM End	25.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.051076 °	37.050349 °
				-120.492153 °	-120.491269 °
DWR ID	DWR_NA0010_05_s_2012_9				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted along this section.					

Photo 1 of 1 : FA_2022_NA0010_123_9_20220822_00007.jpg



View of representative rodent burrow. (Fall 2018)

LM Start	25.46	Rating **	M	Issue No.	167
LM End	25.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.049218 °	37.048502 °
				-120.489883 °	-120.489257 °
DWR ID	DWR_NA0010_05_f_2021_167				
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_2022_NA0010_123_167_20220822_00054.jpg



Multiple rodent holes observed on the landside slope. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	25.46	Rating **	M	Issue No.	168
LM End	25.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.049217 °	37.049217 °
				-120.489881 °	-120.489881 °
DWR ID	DWR_NA0010_05_f_2021_168				
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_2022_NA0010_123_168_20220822_00055.jpg



View of rodent burrows on the waterside slope. (Fall 2021)

LM Start	25.58	Rating **	U	Issue No.	148
LM End	25.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.047827 °	37.047551 °
				-120.488738 °	-120.488527 °
DWR ID	DWR_NA0010_05_f_2020_148				
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_2022_NA0010_123_148_20220822_00041.jpg



View of burrows in the landside. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	25.61	Rating **	U	Issue No.	1379
LM End	25.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID	19804				
Comment Code					
Inspector Comment					
DS_ID:19804 FS_ID:71065 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 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, (HLM 25.51). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 25.51). DWR As-Built Specification No. 64-01, Sheet No. 8, 6 November 1963, (HLM 25.51)]. FS Date: 6/23/2021					

Photo 1 of 3 : UCIP_FA_2022_71065_104429.jpg



LS view: Slope and headwall from toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	25.63	Rating **	U	Issue No.	1380
LM End	25.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.047170 °	37.047170 °
				-120.488222 °	-120.488222 °
DWR ID	19805				
Comment Code					
Inspector Comment					
DS_ID:19805 FS_ID:71066 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)03/25/2014 Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 25.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 25.53). DWR As-Built Specification No. 64-01, Sheet No. 8, 6 November 1963, (HLM 25.53)]. FS Date: 6/23/2021					

LM Start	25.63	Rating **	U	Issue No.	1380 (cont)
LM End	25.63	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71066_104440.jpg



LS view: Slope and headwall from toe.

Photo 2 of 2 : UCIP_FA_2022_71066_104439.jpg



WS view: Slope, headwall, and flapgate from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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

LM Start	26.17	Rating **	M	Issue No.	161
LM End	26.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.040434 °	37.040043 °
				-120.483086 °	-120.482795 °
DWR ID	DWR_NA0010_05_f _ 2018_161				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Waterside slope damage is caused by livestock foot traffic.					

Photo 1 of 1 : FA_2022_NA0010_123_161_20221010_00376.jpg



Slope damage on waterside. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.20	Rating **	U	Issue No.	1381
LM End	26.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.040070 °	37.040070 °
				-120.482796 °	-120.482796 °
DWR ID	19806				
Comment Code					
Inspector Comment					
DS_ID:19806 FS_ID:71067 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 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, (HLM 26.10). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 26.11). DWR As-Built Specification No. 64-01, Sheet No. 8, 6 November 1963, (HLM 26.11)]. FS Date: 6/23/2021					

LM Start	26.20	Rating **	U	Issue No.	1381 (cont)
LM End	26.20	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71067_104448.jpg



LS view: Slope and headwall from toe.

Photo 2 of 3 : UCIP_FA_2022_71067_104449.jpg



LS view: Inside pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.20	Rating **	U	Issue No.	1381 (cont)
LM End	26.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.040070 °	37.040070 °
				-120.482796 °	-120.482796 °
DWR ID	19806				

Photo 3 of 3 : UCIP_FA_2022_71067_104454.jpg



WS view: Closeup of flapgate at toe.

LM Start	26.30	Rating **	M	Issue No.	169
LM End	26.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.038855 °	37.034140 °
				-120.481877 °	-120.478076 °
DWR ID	DWR_NA0010_05_f_2021_169				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage to the waterside slope from cattle traffic and minor damage on the landside slope.					

Photo 1 of 1 : FA_2022_NA0010_123_169_20220822_00056.jpg



View of slope damage from cattle traffic. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.39	Rating **	U	Issue No.	1382	
LM End	26.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.037772 °	37.037772 °	
				-120.481028 °	-120.481028 °	
DWR ID	19807					
Comment Code						
Inspector Comment						
DS_ID:19807 FS_ID:71068 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 13.0 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, (HLM 26.29). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 26.29). DWR As-Built Specification No. 64-01, Sheet No. 9, 6 November 1963, (HLM 26.29)]. FS Date: 6/23/2021						

LM Start	26.39	Rating **	U	Issue No.	1382 (cont)
LM End	26.39	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71068_104459.jpg



LS view: Slope and headwall from toe.

Photo 2 of 3 : UCIP_FA_2022_71068_104460.jpg



LS view: Inside of inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.39	Rating **	U	Issue No.	1382 (cont)
LM End	26.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.037772 °	37.037772 °
				-120.481028 °	-120.481028 °
DWR ID	19807				

Photo 3 of 3 : UCIP_FA_2022_71068_104458.jpg



WS view: Slope, headwall, and flapgate from toe.

LM Start	26.85	Rating **	M	Issue No.	191
LM End	26.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.032891 °	37.032685 °
				-120.475608 °	-120.474378 °
DWR ID	DWR_NA0010_05_f_2022_191				
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_2022_NA0010_123_191_20221010_00377.jpg



View of rodent burrows in the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.95	Rating **	U	Issue No.	1383
LM End	26.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.032669 °	37.032669 °
				-120.473901 °	-120.473901 °
DWR ID	19808				
Comment Code					
Inspector Comment					
DS_ID:19808 FS_ID:71069 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from Non-Urgent to Urgent. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)03/25/2014 Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 26.85). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 26.85). DWR As-Built Specification No. 64-01, Sheet No. 9, 6 November 1963, (HLM 26.85)]. FS Date: 6/23/2021					

LM Start	26.95	Rating **	U	Issue No.	1383 (cont)
LM End	26.95	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71069_104463.jpg



LS view: Slope and headwall from toe.

Photo 2 of 3 : UCIP_FA_2022_71069_104464.jpg



LS view: Inside of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.95	Rating **	U	Issue No.	1383 (cont)
LM End	26.95	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.032669 °	37.032669 °	
			-120.473901 °	-120.473901 °	
DWR ID	19808				

Photo 3 of 3 : UCIP_FA_2022_71069_104466.jpg



WS view: Closeup of flapgate at toe.

LM Start	26.97	Rating **	U	Issue No.	1384
LM End	26.97	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.032680 °	37.032680 °	
			-120.473454 °	-120.473454 °	
DWR ID	19748				

Comment Code

Inspector Comment

DS_ID:19748
 FS_ID:71071
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 1, Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 06/23/2021 Record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Limited inspection of LS inlet due to dirt and tumbleweeds, recommend removal. Unidentified PVC pipe installed at mouth of inlet pipe on LS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)03/25/2014 Tumble weed buildup at inlet mat create blockage and should be removed. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 26.87). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 26.87). DWR As-Built Specification No. 64-01, Sheet No. 9, 6 November 1963, (HLM 26.87)].
 FS Date: 6/23/2021 4:25:00 PM

Photo 1 of 2 : UCIP_FA_2022_71071_104361.jpg



LS view from toe: concrete headwall 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**

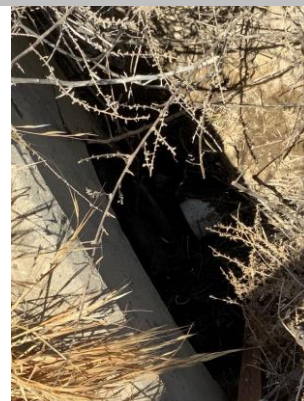
Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	26.97	Rating **	U	Issue No.	1384 (cont)
LM End	26.97	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.032680 °	37.032680 °	
			-120.473454 °	-120.473454 °	
DWR ID	19748				

Photo 2 of 2 : UCIP_FA_2022_71071_104362.jpg



LS view from toe: close up of inlet. PVC pipe at entrance.

LM Start	26.99	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			37.032651 °	37.032659 °
				-120.473205 °	-120.472190 °
DWR ID	DWR_NA0010_05_f_2018_162				
Comment Code					
A1 : Exterminate rodents and 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_2022_NA0010_123_162_20220822_00051.jpg



Several rodent burrows noted in this section of the levee. (Fall 2020)

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	Trim / Thin Trees			37.032675 °	37.032675 °
				-120.472841 °	-120.472841 °
DWR ID	DWR_NA0010_05_s_2021_125				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_125_20220822_00025.jpg



Prunings left on the landside toe. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	27.31	Rating **	U	Issue No.	1385
LM End	27.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.032668 °	37.032668 °
				-120.467299 °	-120.467299 °
DWR ID	19749				
Comment Code					
Inspector Comment					
DS_ID:19749 FS_ID:71072 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 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, (HLM 27.21). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 27.22). DWR As-Built Specification No. 64-01, Sheet No. 10, 6 November 1963, (HLM 27.22)]. FS Date: 6/23/2021					

LM Start	27.31	Rating **	U	Issue No.	1385 (cont)
LM End	27.31	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71072_104356.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 3 : UCIP_FA_2022_71072_104357.jpg



LS view from toe: inside of 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	27.31	Rating **	U	Issue No.	1385 (cont)
LM End	27.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.032668 °	37.032668 °
				-120.467299 °	-120.467299 °
DWR ID	19749				

Photo 3 of 3 : UCIP_FA_2022_71072_104355.jpg



WS view from toe: flapgate on concrete headwall at outlet.

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 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	1386	
LM End	28.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.032623 °	37.032623 °	
				-120.450108 °	-120.450108 °	
DWR ID	19750					
Comment Code						
Inspector Comment						
DS_ID:19750 FS_ID:71073 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Sediment buildup in inlet pipe; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 03/25/2014 Animal Burrowing activity at LS toe may undermine headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 28.17). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 28.17). DWR As-Built Specification No. 64-01, Sheet No. 10, 6 November 1963, (HLM 28.17)]. FS Date: 6/23/2021						

LM Start	28.27	Rating **	M	Issue No.	1386 (cont)
LM End	28.27	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71073_104350.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 2 : UCIP_FA_2022_71073_104351.jpg



LS view from toe: inside of inlet 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	28.79	Rating **	U	Issue No.	1387
LM End	28.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.031640 °	37.031640 °
				-120.441389 °	-120.441389 °
DWR ID	19751				
Comment Code					
Inspector Comment					
DS_ID:19751 FS_ID:71074 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Sediment build up in LS pipe inlet; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 28.69). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 28.69). DWR As-Built Specification No. 64-01, Sheet No. 11, 6 November 1963, (HLM 28.69)]. FS Date: 6/23/2021 10:26:00 AM					

LM Start	28.79	Rating **	U	Issue No.	1387 (cont)
LM End	28.79	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71074_104322.jpg



LS view: inside of pipe.

Photo 2 of 3 : UCIP_FA_2022_71074_104323.jpg



LS view from toe: closeup of entrance to 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	28.79	Rating **	U	Issue No.	1387 (cont)
LM End	28.79	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.031640 °	37.031640 °	
			-120.441389 °	-120.441389 °	
DWR ID	19751				

Photo 3 of 3 : UCIP_FA_2022_71074_104325.jpg



WS view from toe: closeup of flapgate.

LM Start	29.43	Rating **	M	Issue No.	164
LM End	29.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.023481 °	37.021794 °
				-120.435960 °	-120.434769 °
DWR ID	DWR_NA0010_05_f _ 2018_164				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is slope damage on waterside from livestock traffic.					

Photo 1 of 1 : FA_2022_NA0010_123_164_20220822_00052.jpg



Slope damage from animal traffic. (Fall 2018)

LM Start	29.58	Rating **	U	Issue No.	171
LM End	29.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.021534 °	37.018712 °
				-120.434592 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is waterside erosion caused by livestock.					

Photo 1 of 1 : FA_2022_NA0010_123_171_20220822_00058.jpg



Looking south at livestock erosion on the waterside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	29.58	Rating **	M	Issue No.	1388	
LM End	29.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.021497 °	37.021497 °	
				-120.434602 °	-120.434602 °	
DWR ID	19753					
Comment Code						
Inspector Comment						
DS_ID:19753 FS_ID:71076 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 29.49). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 29.49). DWR As-Built Specification No. 64-01, Sheet No. 12, 6 November 1963, (HLM 29.49)]. FS Date: 6/23/2021						

LM Start	29.58	Rating **	M	Issue No.	1388 (cont)
LM End	29.58	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71076_104311.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 3 : UCIP_FA_2022_71076_104312.jpg



LS view from toe: inside of inlet 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	29.58	Rating **	M	Issue No.	1388 (cont)
LM End	29.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.021497 °	37.021497 °	
			-120.434602 °	-120.434602 °	
DWR ID	19753				

Photo 3 of 3 : UCIP_FA_2022_71076_104310.jpg



WS view from toe: flapgate on concrete headwall at outlet.

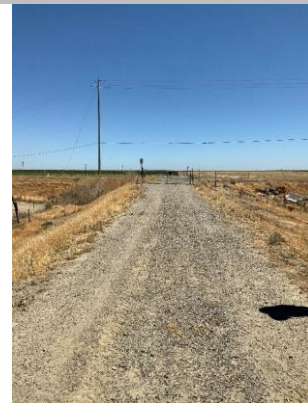
LM Start	29.82	Rating **	M	Issue No.	1389
LM End	29.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.018505 °	37.018505 °	
			-120.432544 °	-120.432544 °	
DWR ID	19754				

Comment Code

Inspector Comment

DS_ID:19754
 FS_ID:71087
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/23/2021 The record remains Non-Urgent.
 Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) through the levee, 12.0 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, (HLM 29.72). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 29.72). DWR As-Built Specification No. 64-42, Sheet No. 6, 13 August 1964, (HLM 29.72)].
 FS Date: 6/23/2021 4:23:00 PM

Photo 1 of 3 : UCIP_FA_2022_71087_104303.jpg



View from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	29.82	Rating **	M	Issue No.	1389 (cont)
LM End	29.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.018505 °	37.018505 °	
			-120.432544 °	-120.432544 °	
DWR ID	19754				

Photo 2 of 3 : UCIP_FA_2022_71087_104305.jpg



LS view from toe: concrete headwall at inlet.

LM Start	29.82	Rating **	M	Issue No.	1389 (cont)
LM End	29.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71087_104306.jpg



LS view from toe: inside of inlet.

LM Start	29.89	Rating **	A/W	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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	30.14	Rating **	M	Issue No.	1390	
LM End	30.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.014471 °	37.014471 °	
				-120.429759 °	-120.429759 °	
DWR ID	19696					
Comment Code						
Inspector Comment						
DS_ID:19696 FS_ID:71078 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Limited inspection of LS due to dense vegetation; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 30.04). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 30.04). DWR As-Built Specification No. 64-42, Sheet No. 6, 13 August 1964, (HLM 30.04)]. FS Date: 6/24/2021						

LM Start	30.14	Rating **	M	Issue No.	1390 (cont)
LM End	30.14	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71078_104301.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 2 : UCIP_FA_2022_71078_104302.jpg



LS view from toe: closeup of 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	30.39	Rating **	M	Issue No.	192
LM End	31.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.011302 °	37.001025 °
				-120.427587 °	-120.415455 °
DWR ID	DWR_NA0010_05_f_2022_192				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	30.56	Rating **	A/W	Issue No.	107
LM End	30.56	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.009410 °	37.009410 °
				-120.425560 °	-120.425560 °
DWR ID	DWR_NA0010_05_R_2012_01				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:26					
Site Designation:DWR_NA0010_05_R_2012_01					

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 2022

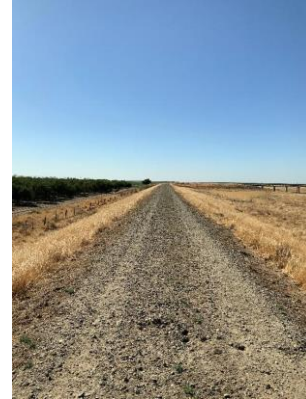
Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.06	Rating **	M	Issue No.	1391	
LM End	31.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.004212 °	37.004212 °	
				-120.419178 °	-120.419178 °	
DWR ID	19697					
Comment Code						
Inspector Comment						
DS_ID:19697						
FS_ID:71079						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue:						
Crossing Status: Found						
UCIP Comments: 06/24/2021 The record remains Non-Urgent.						
Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 30.97). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 30.96). DWR As-Built Specification No. 64-42, Sheet No. 7, 13 August 1964, (HLM 30.96)].						
FS Date: 6/24/2021 3:36:00 PM						

LM Start	31.06	Rating **	M	Issue No.	1391 (cont)
LM End	31.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71079_104289.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71079_104291.jpg



LS view from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.06	Rating **	M	Issue No.	1391 (cont)	
LM End	31.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.004212 °	37.004212 °	
				-120.419178 °	-120.419178 °	
DWR ID	19697					

Photo 3 of 3 : UCIP_FA_2022_71079_104294.jpg



LS view from toe: concrete headwall at inlet.

LM Start	31.17	Rating **	M	Issue No.	193
LM End	31.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.003104 °	37.003104 °
				-120.417833 °	-120.417833 °
DWR ID	DWR_NA0010_05_f_2022_193				
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_2022_NA0010_123_193_20221010_00378.jpg



View of animal burrow in the waterside slope. (Fall 2022)

LM Start	31.17	Rating **	M	Issue No.	194
LM End	31.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.003104 °	37.003104 °
				-120.417833 °	-120.417833 °
DWR ID	DWR_NA0010_05_f_2022_194				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	1392	
LM End	31.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.001754 °	37.001754 °	
				-120.416254 °	-120.416254 °	
DWR ID	19698					
Comment Code						
Inspector Comment						
DS_ID:19698 FS_ID:71080 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Some tumbleweed buildup over WS flapgate and LS inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)						
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. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 31.20). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 31.19). DWR As-Built Specification No. 64-42, Sheet No. 7, 13 August 1964, (HLM 31.19)]. FS Date: 6/24/2021 2:32:00 PM						

LM Start	31.30	Rating **	M	Issue No.	1392 (cont)
LM End	31.30	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71080_104285.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 2 : UCIP_FA_2022_71080_104287.jpg



WS view from toe: flapgate on concrete headwall at outlet.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.66	Rating **	U	Issue No.	230
LM End	31.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.997828 °	36.997828 °
				-120.411920 °	-120.411920 °
DWR ID	DWR_NA0010_05_s_2020_230				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows in the waterside slope and shoulder.					

Photo 1 of 1 : FA_2022_NA0010_123_230_20220822_00065.jpg



Rodent burrows in the waterside slope. (Spring 2020)

LM Start	31.70	Rating **	U	Issue No.	129
LM End	31.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.997410 °	36.997108 °
				-120.411437 °	-120.411092 °
DWR ID	DWR_NA0010_05_f_2020_129				
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_2022_NA0010_123_129_20220822_00029.jpg



Several large rodent holes noted at this location. (Fall 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.74	Rating **	M	Issue No.	1393	
LM End	31.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.997001 °	36.997001 °	
				-120.410991 °	-120.410991 °	
DWR ID	19699					
Comment Code						
Inspector Comment						
DS_ID:19699 FS_ID:71081 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. Limited inspection of LS due to dense vegetation; recommend removal. Wooden planks propping flapgate on WS open; recommend removal before flood season. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 48-inch by 36-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 31.64). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 31.64). DWR As-Built Specification No. 64-42, Sheet No. 8, 13 August 1964, (HLM 31.64)]. FS Date: 6/24/2021 2:15:00 PM						

LM Start	31.74	Rating **	M	Issue No.	1393 (cont)
LM End	31.74	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71081_104280.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 2 : UCIP_FA_2022_71081_104281.jpg



LS view from toe: closeup of inlet.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.80	Rating **	M	Issue No.	1394
LM End	31.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.995029 °	36.995029 °
				-120.408914 °	-120.408914 °
DWR ID	19700				
Comment Code					
Inspector Comment					
DS_ID:19700 FS_ID:71082 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. Some tumbleweed buildup at LS inlet and WS flapgate, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) through the levee, 13.0 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, (HLM 31.69). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 31.71). DWR As-Built Specification No. 64-42, Sheet No. 8, 13 August 1964, (HLM 31.71)]. FS Date: 6/23/2021 2:03:00 PM					

LM Start	31.80	Rating **	M	Issue No.	1394 (cont)
LM End	31.80	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71082_104271.jpg



LS view from toe: concrete headwall and inlet.

Photo 2 of 2 : UCIP_FA_2022_71082_104273.jpg



WS view from toe: flapgate on concrete headwall at outlet.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	31.98	Rating **	M	Issue No.	195
LM End	34.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.993146 °	36.980380 °
				-120.406711 °	-120.368496 °
DWR ID	DWR_NA0010_05_f _ 2022_195				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	32.32	Rating **	M	Issue No.	1395	
LM End	32.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			36.989435 °		36.989435 °
				-120.402626 °		-120.402626 °
DWR ID	19701					
Comment Code						
Inspector Comment						
DS_ID:19701 FS_ID:71083 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. Limited inspection of LS inlet due to dense vegetation; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/01/2014 Some silt buildup inside culvert. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 32.22). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 32.22). DWR As-Built Specification No. 64-42, Sheet No. 8, 13 August 1964, (HLM 32.22)]. FS Date: 6/23/2021 1:18:00 PM						

Photo 1 of 2 : UCIP_FA_2022_71083_104264.jpg



LS view from toe: concrete headwall 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	32.32	Rating **	M	Issue No.	1395 (cont)
LM End	32.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.989435 °	36.989435 °
				-120.402626 °	-120.402626 °
DWR ID	19701				

Photo 2 of 2 : UCIP_FA_2022_71083_104265.jpg



LS view from toe: closeup of inlet.

LM Start	33.08	Rating **	M	Issue No.	196
LM End	33.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.981182 °	36.981182 °
				-120.393448 °	-120.393448 °
DWR ID	DWR_NA0010_05_f_2022_196				
Comment Code					
DE : Debris					
Inspector Comment					
Tree prunings and material are beginning to encroach the levee easement and landside toe.					

Photo 1 of 1 : FA_2022_NA0010_123_196_20221010_00379.jpg



Debris encroaching into the landside easement and toe. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	33.11	Rating **	M	Issue No.	1396
LM End	33.11	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.980861 °	36.980861 °	
			-120.393116 °	-120.393116 °	
DWR ID	19702				

Comment Code

Inspector Comment

DS_ID:19702
FS_ID:71084
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/23/2021 The record remains Non-Urgent. Some tumbleweed buildup over WS flapgate and LS inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)

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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 33.02). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 33.01). DWR As-Built Specification No. 64-42, Sheet No. 9, 13 August 1964, (HLM 33.01)].
FS Date: 6/23/2021 12:49:00 PM

LM Start	33.11	Rating **	M	Issue No.	1396 (cont)
LM End	33.11	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71084_104257.jpg



LS view from toe: concrete headwall at inlet.

Photo 2 of 2 : UCIP_FA_2022_71084_104259.jpg



WS view from toe: flapgate on concrete headwall at outlet.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	197
LM End	34.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976810 °	36.980515 °
				-120.382614 °	-120.368323 °
DWR ID	DWR_NA0010_05_f_2022_197				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	33.81	Rating **	M	Issue No.	1397	
LM End	33.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.976808 °	36.976808 °	
				-120.382593 °	-120.382593 °	
DWR ID	19703					
Comment Code						
Inspector Comment						
DS_ID:19703 FS_ID:71085 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Limited inspection of LS and WS due to dense vegetation; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 33.72). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 33.72). DWR As-Built Specification No. 64-42, Sheet No. 9, 13 August 1964, (HLM 33.72)]. FS Date: 6/24/2021 12:30:00 PM						

Photo 1 of 2 : UCIP_FA_2022_71085_104252.jpg



LS view from toe: concrete headwall and 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	1397 (cont)
LM End	33.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.976808 °	36.976808 °	
			-120.382593 °	-120.382593 °	
DWR ID	19703				

Photo 2 of 2 : UCIP_FA_2022_71085_104250.jpg



WS view from toe: flapgate on concrete headwall.

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_2022_NA0010_123_130_20220822_00030.jpg



Looking east at the landside shoulder.

LM Start	34.60	Rating **	M	Issue No.	189
LM End	34.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.978525 °	36.978525 °
				-120.368661 °	-120.368661 °
DWR ID	DWR_NA0010_05_s_2022_189				
Comment Code					
RA : Ramp					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_123_189_20220822_00063.jpg



View of ramp on the landside slope. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

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 1 : FA_2022_NA0010_123_11_20220822_00008.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

LM Start	34.61	Rating **	M	Issue No.	1398
LM End	34.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		36.978593 °	36.978593 °	
			-120.368511 °	-120.368511 °	
DWR ID	19755				

Comment Code

Inspector Comment

DS_ID:19755
FS_ID:71086
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/24/2021 The record remains Non-Urgent. Limited inspection of WS and LS due to dense vegetation, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)

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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: [Chowchilla Canal Irrigation Structure] 36-inch by 36-inch reinforced concrete box gravity irrigation culvert (RCBC) through the levee, 9.7 feet below the crown. Slide gate in a 56-inch by 91-inch concrete riser unit 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, (HLM 34.51). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 34.51). DWR As-Built Specification No. 64-42, Sheet No. 10, 13 August 1964, (HLM 34.51)].
FS Date: 6/24/2021 11:58:00 AM

LM Start	34.61	Rating **	M	Issue No.	1398 (cont)
LM End	34.61	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2022_71086_104243.jpg



LS view from toe: concrete headwall and inlet.

Photo 2 of 2 : UCIP_FA_2022_71086_104242.jpg



WS view from crown. Slide gate in concrete riser visible in background.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	09/21/2022 09/22/2022	Corey Fujitani

* 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
Unit Cover Sheet**

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	4/20/2022 - 4/22/2022		9/28/2022 - 9/30/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	61
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.275925 °	37.275835 °
				-120.825671 °	-120.824517 °
DWR ID	DWR_NA0010_06_s_2020_61				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.10	Rating **	U	Issue No.	167
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.275701 °	37.275701 °
				-120.823773 °	-120.823773 °
DWR ID	NA0010U06RM0.41				
Comment Code					
Inspector Comment					
Site ID: NA0010U06RM0.41 08/09/2022: The site was discovered by the LMA and visited during the annual field survey. There is a 20-ft vertical scarp running along the bank and encroaching into the extended levee prism. The berm is 10-12 ft wide.					

Photo 1 of 3 : SJR2022_NA0010U06LM0.12_3.JPG



8/9/2022: View of the erosion looking downstream.

LM Start	0.10	Rating **	U	Issue No.	167 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2022_NA0010U06LM0.12_8.JPG



8/9/2022: View of the erosion looking upstream.

* 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**

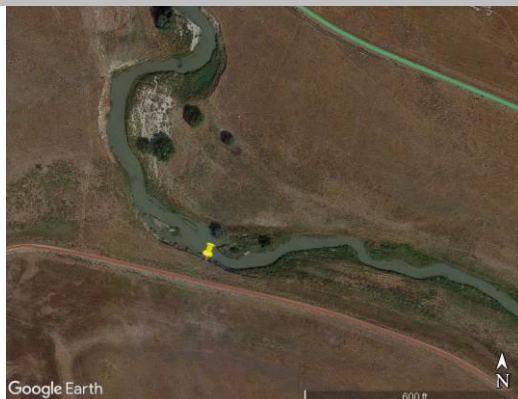
Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	0.10	Rating **	U	Issue No.	167 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.275701 °	37.275701 °	
			-120.823773 °	-120.823773 °	
DWR ID	NA0010U06RM0.41				

Photo 3 of 3 : SJR2022_NA0010U06LM0.12_GE.JPG



9/13/2022: Aerial view of the erosion site (Google Earth Imagery from 9/27/2020).

LM Start	0.10	Rating **	U	Issue No.	106
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.275758 °	37.275541 °
				-120.824067 °	-120.822833 °
DWR ID	DWR_NA0010_06_f_2022_106				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is approximately 10 feet from toe. It is within the theoretical prism. Erosion is approximately 20 feet in height and 250 feet in length.					

Photo 1 of 1 : FA_2022_NA0010_124_106_20221010_00239.jpg



Erosion on the waterside toe has cut into the theoretical prism. (Fall 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	0.14	Rating **	M	Issue No.	147
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.275637 °	37.275637 °
				-120.823438 °	-120.823438 °
DWR ID	DWR_NA0010_06_s_2022_147				
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_2022_NA0010_124_147_20220822_00059.jpg



View of rodent burrows on the landside slope. (Spring 2022)

LM Start	0.36	Rating **	M	Issue No.	165
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.274274 °	37.274274 °
				-120.819803 °	-120.819803 °
DWR ID	DWR_NA0010_06_f_2022_165				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	M	Issue No.	148
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.273651 °	37.273651 °
				-120.818813 °	-120.818813 °
DWR ID	DWR_NA0010_06_s_2022_148				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_148_20220822_00060.jpg



View of active rodent burrows on the waterside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

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

LM Start	0.75	Rating **	M	Issue No.	105
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.270878 °	37.270878 °
				-120.814459 °	-120.814459 °
DWR ID	DWR_NA0010_06_s_2021_105				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	1212	
LM End	0.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.270460 °	37.270460 °	
				-120.814290 °	-120.814290 °	
DWR ID	19816					
Comment Code						
Inspector Comment						
DS_ID:19816 FS_ID:71092 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. LS pipe inlet is blocked by barbed wire, limited access and inspection. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Landward side blocked--need to contact owner to determine status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.86). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.86). DWR As-Built Specification No. 61-01, Sheet No. 45, 7 March 1961, (HLM 0.86)]. FS Date: 7/27/2021						

LM Start	0.78	Rating **	M	Issue No.	1212 (cont)
LM End	0.78	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71092_102876.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71092_102877.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	1212 (cont)
LM End	0.78	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.270460 °	37.270460 °	
			-120.814290 °	-120.814290 °	
DWR ID	19816				

Photo 3 of 3 : UCIP_FA_2022_71092_102879.jpg



LS view: Top view of pipe inlet at toe.

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					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows including large burrows were observed at this location.					

Photo 1 of 1 : FA_2022_NA0010_124_93_20220822_00026.jpg



View of landside slope. (Fall 2018)

LM Start	1.22	Rating **	M	Issue No.	100
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.266610 °	37.266388 °
				-120.809110 °	-120.808893 °
DWR ID	DWR_NA0010_06_s_2021_100				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	1.52	Rating **	M	Issue No.	127
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263176 °	37.263176 °
				-120.805983 °	-120.805983 °
DWR ID	DWR_NA0010_06_f_2021_127				
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_2022_NA0010_124_127_20220822_00045.jpg



View of rodent burrows in the landside slope. (Fall 2021)

LM Start	1.84	Rating **	M	Issue No.	125
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259527 °	37.259331 °
				-120.803300 °	-120.802919 °
DWR ID	DWR_NA0010_06_s_2012_125				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	1.87	Rating **	M	Issue No.	1213	
LM End	1.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.259312 °	37.259312 °	
				-120.802863 °	-120.802863 °	
DWR ID	19817					
Comment Code						
Inspector Comment						
DS_ID:19817 FS_ID:71093 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. LS pipe inlet inaccessible due to barbed wire and not visible due to dense vegetation, limited inspection and recommend removing vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.96). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.95). DWR As-Built Specification No. 61-01, Sheet No. 46, 7 March 1961, (HLM 1.95)]. FS Date: 7/27/2021						

Photo 1 of 1 : UCIP_FA_2022_71093_102904.jpg



LS view: Inlet hidden by dense vegetation at toe.

LM Start	2.07	Rating **	C	Issue No.	123
LM End	2.07	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.257848 °	37.257848 °
				-120.799668 °	-120.799668 °
DWR ID	DWR_NA0010_06_f_2021_123				
Comment Code					
PI : Pipe					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	2.13	Rating **	M	Issue No.	164
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257318 °	37.257318 °
				-120.798788 °	-120.798788 °
DWR ID	DWR_NA0010_06_f_2022_164				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.23	Rating **	M	Issue No.	146
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256445 °	37.256445 °
				-120.797508 °	-120.797508 °
DWR ID	DWR_NA0010_06_s_2022_146				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
A few rodent burrows observed in this section with large quantities of material displaced.					

Photo 1 of 1 : FA_2022_NA0010_124_146_20220822_00058.jpg



View of rodent holes on the landside slope. (Spring 2022)

LM Start	2.30	Rating **	M	Issue No.	97
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.255734 °	37.255386 °
				-120.796447 °	-120.795906 °
DWR ID	DWR_NA0010_06_s_2021_97				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	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					

Photo 1 of 1 : FA_2022_NA0010_124_92_20220822_00025.jpg



View of large rodent holes in landside slope. (Fall 2018)

LM Start	2.53	Rating **	M	Issue No.	1214	
LM End	2.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.252948 °	37.252948 °	
				-120.794352 °	-120.794352 °	
DWR ID	19818					
Comment Code						
Inspector Comment						
DS_ID:19818 FS_ID:71094 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 6.9 feet below the crown. Slide gate in a 48-inch CMP riser unit on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.61). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.61). DWR As-Built Specification No. 61-01, Sheet No. 46, 7 March 1961, (HLM 2.61)]. FS Date: 7/27/2021						

Photo 1 of 1 : UCIP_FA_2022_71094_102912.jpg



WS view: Inside pipe outlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

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_2022_NA0010_124_76_20220822_00013.jpg



View of rodent holes on the landside slope looking upstream. (Spring 2022)

LM Start	2.57	Rating **	M	Issue No.	1215	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.252743 °	37.252743 °	
				-120.793756 °	-120.793756 °	
DWR ID	19819					
Comment Code						
Inspector Comment						
DS_ID:19819 FS_ID:71095 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Dense vegetation covering LS pipe inlet, limited inspection and recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 2.65). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.65). DWR As-Built Specification No. 61-01, Sheet No. 46, 7 March 1961, (HLM 2.65)]. FS Date: 7/27/2021						

Photo 1 of 1 : UCIP_FA_2022_71095_102921.jpg



LS view: Closeup of pipe inlet at toe with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	2.61	Rating **	U	Issue No.	166
LM End	2.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.252596 °	37.252596 °
				-120.792504 °	-120.792504 °
DWR ID	NA0010U06RM3.01				
Comment Code					
Inspector Comment					
Site ID: NA0010U06RM3.01 08/09/2022: The site was discovered by the LMA and visited during the annual field survey. There is a 15-20 ft scarp, vertical in some locations, running along the bank. The berm is 15 ft wide at the narrowst section.					

Photo 1 of 3 : SJR2022_NA0010U06LM2.64_5.JPG



8/9/2022: View of the erosion looking downstream.

LM Start	2.61	Rating **	U	Issue No.	166 (cont)
LM End	2.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2022_NA0010U06LM2.64_7.JPG



8/9/2022: View of the erosion looking upstream.

LM Start	2.61	Rating **	U	Issue No.	166 (cont)
LM End	2.68	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2022_NA0010U06LM2.64_GE.JPG



9/13/2022: Aerial view of the erosion site (Google Earth Imagery from 9/27/2020).

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	2.61	Rating **	U	Issue No.	99
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.252660 °	37.252552 °
				-120.792995 °	-120.791922 °
DWR ID	DWR_NA0010_06_f_2022_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion at its worst point is approximately 20 ft from toe. Erosion is within theoretical prism.					

Photo 1 of 1 : FA_2022_NA0010_124_99_20221010_00240.jpg



View of erosion on the waterside berm has eroded into the theoretical prism. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	2.77	Rating **	U	Issue No.	1216	
LM End	2.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.253020 °		37.253020 °
				-120.790219 °		-120.790219 °
DWR ID	19820					
Comment Code						
Inspector Comment						
DS_ID:19820 FS_ID:71096 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 07/27/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Dense vegetation covering LS pipe inlet, limited inspection and recommend removal of vegetation. Some minor erosion under WS concrete pad, less than a foot in length. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 2.85). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.85). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 2.85)]. FS Date: 7/27/2021						

Photo 1 of 2 : UCIP_FA_2022_71096_102930.jpg



LS view: Closeup of pipe inlet at toe covered with vegetation.

LM Start	2.77	Rating **	U	Issue No.	1216 (cont)
LM End	2.77	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_71096_102927.jpg



WS view: Some erosion underneath concrete pad.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.01	Rating **	M	Issue No.	1217	
LM End	3.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.253811 °	37.253811 °	
				-120.786059 °	-120.786059 °	
DWR ID	19821					
Comment Code						
Inspector Comment						
DS_ID:19821 FS_ID:71097 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. Limited inspection due to sediment and debris buildup inside LS pipe inlet, recommend removal. Sediment buildup keeping WS flapgate open, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.09). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.09). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 3.09)]. FS Date: 7/27/2021						

LM Start	3.01	Rating **	M	Issue No.	1217 (cont)
LM End	3.01	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71097_102947.jpg



LS view: Closeup of pipe inlet at toe with dense sediment and debris inside.

Photo 2 of 2 : UCIP_FA_2022_71097_102943.jpg



WS view: Closeup of flapgate at toe with sediment buildup keeping it open, 2 of 2 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.21	Rating **	M	Issue No.	1218	
LM End	3.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.253513 °	37.253513 °	
				-120.782509 °	-120.782509 °	
DWR ID	19822					
Comment Code						
Inspector Comment						
DS_ID:19822 FS_ID:71098 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. There is minor separation of the CMP and concrete headwall on the LS toe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.29). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.29). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 3.29)]. FS Date: 7/27/2021						

LM Start	3.21	Rating **	M	Issue No.	1218 (cont)
LM End	3.21	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71098_102955.jpg



LS view: Closeup of pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71098_102951.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	1219
LM End	3.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252152 °	37.252152 °
				-120.779969 °	-120.779969 °
DWR ID	19823				

Comment Code

Inspector Comment

DS_ID:19823
FS_ID:71099
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Not Found
UCIP Comments: 07/27/2021 The record remains Non-Urgent. No signs of pipe, headwalls, or flapgate found on WS or LS. Confirm with owner on the status of this pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.44). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.43). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 3.43)].
FS Date: 7/27/2021

LM Start	3.38	Rating **	M	Issue No.	1219 (cont)
LM End	3.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71099_102957.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71099_102958.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	1219 (cont)
LM End	3.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252152 °	37.252152 °
				-120.779969 °	-120.779969 °
DWR ID	19823				

Photo 3 of 3 : UCIP_FA_2022_71099_102959.jpg



LS view: Slope from the crown, no pipe visible.

LM Start	3.42	Rating **	M	Issue No.	1220
LM End	3.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251902 °	37.251902 °
				-120.779391 °	-120.779391 °
DWR ID	19824				

Comment Code

Inspector Comment

DS_ID:19824
FS_ID:71100
EP_NO: 6965
Repair Type: Non-Urgent
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit
Crossing Status: Indicator Found
UCIP Comments: 07/27/2021 The record remains Non-Urgent.
Crossing appears to be modified, there is no WS pump or platform. No sign of pipe visible on LS, unless pipe goes to large plant facility off the toe. Confirm with owner on the alignment and status of pipe. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)

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. (O. Magana - DWR UCIP)

FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 7.4 feet below the crown. Corrugated metal (CM) cutoff wall around the pipe at 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. (20-inch irrigation pipe authorized under Permit No. 6965, 1971 - Scarborough, Robinson, and Associates).
[Additional Reference(s): DWR Levee Log, 2002, (HLM 3.44)].

FS Date: 7/27/2021

Photo 1 of 1 : UCIP_FA_2022_71100_102967.jpg



WS view: Toe from crown.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	1221
LM End	3.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251687 °	37.251687 °
				-120.778534 °	-120.778534 °
DWR ID	19825				
Comment Code					
Inspector Comment					
DS_ID:19825 FS_ID:71101 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. WS riser has broken cover, creating a safety hazard. Limited inspection due to dense tumbleweeds over LS inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 6.8 feet below the crown. Slide gate in a 48-inch CMP riser unit 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. (30-inch drainage pipe and pump authorized under Permit No. 12527, 1979 - Joseph Gallo). [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.54). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.54). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 3.54)]. FS Date: 7/27/2021					

Photo 1 of 3 : UCIP_FA_2022_71101_102973.jpg



LS view: Headwall and slope from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	1221 (cont)
LM End	3.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251687 °	37.251687 °
				-120.778534 °	-120.778534 °
DWR ID	19825				

Photo 2 of 3 : UCIP_FA_2022_71101_102977.jpg



WS view: Closeup of the riser on the slope with missing cover.

LM Start	3.47	Rating **	M	Issue No.	1221 (cont)
LM End	3.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71101_102971.jpg



WS view: Inside of pipe outlet at toe.

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					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_67_20220822_00007.jpg



View of active rodent and burrow on the landside slope. (Spring 2021)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.62	Rating **	A/W	Issue No.	96
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.251226 °	37.251140 °
				-120.775774 °	-120.774900 °
DWR ID	DWR_NA0010_06_f_2022_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is approximately 30 ft from levee toe, 18 ft in height, and 150 ft in length.					

Photo 1 of 1 : FA_2022_NA0010_124_96_20221010_00241.jpg



View of erosion on the waterside berm. (Fall 2022)

LM Start	3.68	Rating **	A/W	Issue No.	122
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.251161 °	37.251161 °
				-120.774659 °	-120.774659 °
DWR ID	DWR_NA0010_06_f_2021_122				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.69	Rating **	M	Issue No.	1222
LM End	3.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251199 °	37.251199 °
				-120.774474 °	-120.774474 °
DWR ID	19826				

Comment Code

Inspector Comment

DS_ID:19826
FS_ID:71102
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Limited inspection of LS pipe inlet due to vegetation covering it, recommend removal. Exterior liner of WS flapgate is significantly chipping off. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 7.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.78). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.77). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 3.77)].
FS Date: 7/27/2021

LM Start	3.69	Rating **	M	Issue No.	1222 (cont)
LM End	3.69	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71102_102984.jpg



LS view: Closeup of pipe inlet at toe with vegetation cover.

Photo 2 of 2 : UCIP_FA_2022_71102_102980.jpg



WS view: Closeup of liner deterioration on flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	3.89	Rating **	M	Issue No.	1223
LM End	3.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.250742 °	37.250742 °
				-120.771026 °	-120.771026 °
DWR ID	19827				

Comment Code

Inspector Comment

DS_ID:19827
FS_ID:71103
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 6.7 feet below the crown. Slide gate in a 48-inch CMP riser unit on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.98). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.97). DWR As-Built Specification No. 61-01, Sheet No. 47, 7 March 1961, (HLM 3.97)].
FS Date: 7/27/2021

LM Start	3.89	Rating **	M	Issue No.	1223 (cont)
LM End	3.89	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71103_102997.jpg



LS view: Inside pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71103_102993.jpg



WS view: Inside pipe outlet at 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	4.09	Rating **	M	Issue No.	1224
LM End	4.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.248353 °	37.248353 °
				-120.768922 °	-120.768922 °
DWR ID	19828				
Comment Code					
Inspector Comment					
DS_ID:19828 FS_ID:71104 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. Limited inspection due to LS pipe inlet being covered by dense tumbleweeds, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 4.17). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.17). DWR As-Built Specification No. 61-01, Sheet No. 48, 7 March 1961, (HLM 4.17)]. FS Date: 7/27/2021					

Photo 1 of 1 : UCIP_FA_2022_71104_103008.jpg



LS view: Closeup of pipe inlet at toe covered by tumbleweeds.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	4.33	Rating **	M	Issue No.	1225	
LM End	4.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.246459 °		37.246459 °
				-120.765470 °		-120.765470 °
DWR ID	19829					
Comment Code						
Inspector Comment						
DS_ID:19829 FS_ID:71105 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Limited inspection due to LS pipe inlet having some vegetation overgrowth over it, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 4.43). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.41). DWR As-Built Specification No. 61-01, Sheet No. 48, 7 March 1961, (HLM 4.41)]. FS Date: 7/27/2021						

Photo 1 of 1 : UCIP_FA_2022_71105_103022.jpg



LS view: Closeup of pipe inlet at toe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	4.62	Rating **	M	Issue No.	1226
LM End	4.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID	19830				

Comment Code

Inspector Comment

DS_ID:19830
FS_ID:71106
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 07/27/2021 The record remains Non-Urgent. WS riser has no cover, causing safety hazard. Limited inspection due to LS pipe inlet completely buried within large dirt pile, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Sediment buildup inside crossing visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 6.9 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 4.69). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.70). DWR As-Built Specification No. 61-01, Sheet No. 48, 7 March 1961, (HLM 4.70)].
FS Date: 7/27/2021

LM Start	4.62	Rating **	M	Issue No.	1226 (cont)
LM End	4.62	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71106_103032.jpg



LS view: Pile of dirt completely covering pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71106_103027.jpg



WS view: Closeup of riser without lid on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	4.67	Rating **	U	Issue No.	1227
LM End	4.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.243408 °	37.243408 °
				-120.760564 °	-120.760564 °
DWR ID	19831				
Comment Code					
Inspector Comment					
DS_ID:19831 FS_ID:71107 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 07/27/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5. Crossing will be monitored until funding becomes available to address the issues. Vegetation over LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)04/18/2014 Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward side. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 4.75). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.75). DWR As-Built Specification No. 61-01, Sheet No. 48, 7 March 1961, (HLM 4.75)]. FS Date: 7/27/2021					

Photo 1 of 1 : UCIP_FA_2022_71107_103040.jpg



LS view: Closeup of pipe inlet at toe with minor vegetation growth.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	4.86	Rating **	M	Issue No.	1228	
LM End	4.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.242024 °	37.242024 °	
				-120.757602 °	-120.757602 °	
DWR ID	19862					
Comment Code						
Inspector Comment						
DS_ID:19862 FS_ID:71108 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Limited inspection due to dense vegetation over LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 4.95). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.94). DWR As-Built Specification No. 61-01, Sheet No. 48, 7 March 1961, (HLM 4.94)]. FS Date: 7/27/2021						

Photo 1 of 1 : UCIP_FA_2022_71108_103049.jpg



LS view: Closeup of pipe inlet at toe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.07	Rating **	A/W	Issue No.	162
LM End	5.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.240065 °	37.240065 °
				-120.754922 °	-120.754922 °
DWR ID	DWR_NA0010_06_f_2022_162				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

No Photos

LM Start	5.07	Rating **	A/W	Issue No.	163
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.240065 °	37.240065 °
				-120.754922 °	-120.754922 °
DWR ID	DWR_NA0010_06_f_2022_163				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	1229
LM End	5.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.239098 °	37.239098 °
				-120.751774 °	-120.751774 °
DWR ID	19863				
Comment Code					
Inspector Comment					
DS_ID:19863 FS_ID:71109 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Clear vegetation from waterward slope and landward headwall. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 5.35). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.34). DWR As-Built Specification No. 61-01, Sheet No. 48, 7 March 1961, (HLM 5.34)]. FS Date: 7/27/2021					
LM Start	5.26	Rating **	M	Issue No.	1229 (cont)
LM End	5.26	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71109_103070.jpg



LS view: Closeup of pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71109_103066.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.42	Rating **	M	Issue No.	160
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.238729 °	37.238729 °
				-120.748884 °	-120.748884 °
DWR ID	DWR_NA0010_06_f_2022_160				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

No Photos

LM Start	5.42	Rating **	U	Issue No.	161
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.238729 °	37.238729 °
				-120.748884 °	-120.748884 °
DWR ID	DWR_NA0010_06_f_2022_161				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_161_20221010_00242.jpg



Deep livestock trail on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.55	Rating **	M	Issue No.	1230	
LM End	5.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.238610 °	37.238610 °	
				-120.746591 °	-120.746591 °	
DWR ID	19864					
Comment Code						
Inspector Comment						
DS_ID:19864 FS_ID:71110 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/27/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Limited inspection due to vegetation over LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 5.63). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.63). DWR As-Built Specification No. 61-01, Sheet No. 49, 7 March 1961, (HLM 5.63)]. FS Date: 7/27/2021						

Photo 1 of 1 : UCIP_FA_2022_71110_103078.jpg



LS view: Closeup of pipe inlet at toe with vegetation growth.

LM Start	5.57	Rating **	M	Issue No.	159
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.238566 °	37.238566 °
				-120.746200 °	-120.746200 °
DWR ID	DWR_NA0010_06_f_2022_159				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.60	Rating **	M	Issue No.	158
LM End	5.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.238539 °	37.238539 °
				-120.745669 °	-120.745669 °
DWR ID	DWR_NA0010_06_f_2022_158				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_158_20221010_00243.jpg



Livestock trail on the landside slope. (Fall 2022)

LM Start	5.68	Rating **	M	Issue No.	157
LM End	5.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.238459 °	37.238459 °
				-120.744176 °	-120.744176 °
DWR ID	DWR_NA0010_06_f_2022_157				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_157_20221010_00244.jpg



Livestock damage on landside slope. (Fall 2022)

LM Start	5.77	Rating **	U	Issue No.	66
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.238354 °	37.238354 °
				-120.742480 °	-120.742480 °
DWR ID	DWR_NA0010_06_f _ 2017_66				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is damage to the landside slope and shoulder from livestock.					

Photo 1 of 1 : FA_2022_NA0010_124_66_20220822_00006.jpg



View of damage to landside slope from livestock traffic looking downstream. (Fall 2021)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.93	Rating **	M	Issue No.	69
LM End	7.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.236936 °	37.226800 °
				-120.740384 °	-120.724736 °
DWR ID	DWR_NA0010_06_s_2022_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 1 : FA_2022_NA0010_124_69_20220822_00009.jpg



Looking downstream at PG&E poles on the landside slope and toe. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.98	Rating **	M	Issue No.	1231	
LM End	5.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.236414 °	37.236414 °	
				-120.739735 °	-120.739735 °	
DWR ID	19865					
Comment Code						
Inspector Comment						
DS_ID:19865 FS_ID:71111 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Crossing appears to be in good condition. Separate 10 inch plastic pipe inlet and flowmeter off the LS toe across this Crossing's inlet. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 7/19/2016 Site has been repaired on WS and LS (see photos below). (O. Magana - DWR UCIP)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. (O. Magana - DWR UCIP)4/18/2014 Need to contact owner. Sediment buildup in pipe visible on landside--recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 6.06). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 6.06). DWR As-Built Specification No. 61-01, Sheet No. 49, 7 March 1961, (HLM 6.06)]. FS Date: 7/27/2021						

Photo 1 of 3 : UCIP_FA_2022_71111_103092.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	5.98	Rating **	M	Issue No.	1231 (cont)
LM End	5.98	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.236414 °	37.236414 °	
			-120.739735 °	-120.739735 °	
DWR ID	19865				

Photo 2 of 3 : UCIP_FA_2022_71111_103093.jpg



LS view: Toe from crown.

LM Start	5.98	Rating **	M	Issue No.	1231 (cont)
LM End	5.98	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71111_103094.jpg



LS toe: Headwall and slope from toe.

LM Start	6.06	Rating **	M	Issue No.	22
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235777 °	37.235610 °
				-120.738598 °	-120.738212 °
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	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	Erosion / Livestock			37.235572 °	37.235572 °
				-120.738002 °	-120.738002 °
DWR ID	DWR_NA0010_06_f _ 2018_85				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock damage to slope and shoulder of levee.					

Photo 1 of 1 : FA_2022_NA0010_124_85_20221010_00245.jpg



View of livestock damage on waterside slope. (Fall 2022)

LM Start	6.10	Rating **	M	Issue No.	84
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.235570 °	37.235570 °
				-120.737998 °	-120.737998 °
DWR ID	DWR_NA0010_06_f _ 2018_84				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage to slope and crown from livestock.					

Photo 1 of 1 : FA_2022_NA0010_124_84_20221010_00246.jpg



Erosion to slope and into crown from livestock. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	6.15	Rating **	M	Issue No.	95
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235349 °	37.235349 °
				-120.737047 °	-120.737047 °
DWR ID	DWR_NA0010_06_s_2021_95				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.63	Rating **	M	Issue No.	90
LM End	6.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.231384 °	37.231384 °
				-120.730297 °	-120.730297 °
DWR ID	DWR_NA0010_06_s_2021_90				
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_2022_NA0010_124_90_20220822_00023.jpg



Looking at multiple rodent holes in the landside slope. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	6.70	Rating **	M	Issue No.	1232	
LM End	6.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.230508 °	37.230508 °	
				-120.729634 °	-120.729634 °	
DWR ID	19866					
Comment Code						
Inspector Comment						
DS_ID:19866 FS_ID:71112 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. Crossing appears to be in good condition. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 7.0 feet below the crown. Slide gate in a 36-inch CMP riser unit 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, (HLM 6.78). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 6.79). DWR As-Built Specification No. 61-01, Sheet No. 50, 7 March 1961, (HLM 6.79)]. FS Date: 7/27/2021						

LM Start	6.70	Rating **	M	Issue No.	1232 (cont)
LM End	6.70	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71112_103109.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_71112_103106.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	6.70	Rating **	M	Issue No.	1232 (cont)	
LM End	6.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.230508 °	37.230508 °	
				-120.729634 °	-120.729634 °	
DWR ID	19866					

Photo 3 of 3 : UCIP_FA_2022_71112_103107.jpg



LS view: Closeup of pipe inlet at toe.

LM Start	6.88	Rating **	M	Issue No.	143
LM End	6.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.228370 °	37.228370 °
				-120.728004 °	-120.728004 °
DWR ID	DWR_NA0010_06_s_2022_143				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_143_20220822_00057.jpg



Levee damage on the landside slope from livestock activity. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	6.89	Rating **	M	Issue No.	1233	
LM End	6.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.228253 °	37.228253 °	
				-120.727865 °	-120.727865 °	
DWR ID	19867					
Comment Code						
Inspector Comment						
DS_ID:19867 FS_ID:71113 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record has been upgraded from No Action Needed to Non-Urgent. The cover on the WS riser is broken, causing a safety concern. There is another riser, pump, and pipe out closer to the channel on the WS but is not within 15 feet of the toe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.7 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 6.97). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 6.97). DWR As-Built Specification No. 61-01, Sheet No. 50, 7 March 1961, (HLM 6.97)]. FS Date: 7/13/2021						

Photo 1 of 1 : UCIP_FA_2022_71113_101626.jpg



WS view: Closeup of riser on slope with broken lid.

LM Start	6.92	Rating **	M	Issue No.	79
LM End	6.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.228054 °	37.228054 °
				-120.727428 °	-120.727428 °
DWR ID	DWR_NA0010_06_f _ 2018_79				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage has been repaired with loose soil.					

Photo 1 of 1 : FA_2022_NA0010_124_79_20220822_00015.jpg



View down the landside slope of damage from livestock. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	7.21	Rating **	M	Issue No.	1234
LM End	7.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.226102 °	37.226102 °
				-120.722739 °	-120.722739 °
DWR ID	19868				

Comment Code

Inspector Comment

DS_ID:19868
FS_ID:71114
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 07/13/2021 Record is still Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 7.29). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 7.29). DWR As-Built Specification No. 61-01, Sheet No. 50, 7 March 1961, (HLM 7.29)].
FS Date: 7/13/2021

LM Start	7.21	Rating **	M	Issue No.	1234 (cont)
LM End	7.21	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71114_101633.jpg



LS view: Closeup of pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71114_101637.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	7.66	Rating **	M	Issue No.	1235
LM End	7.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.222743 °	37.222743 °
				-120.716416 °	-120.716416 °
DWR ID	19869				

Comment Code

Inspector Comment

DS_ID:19869
FS_ID:71115
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 07/13/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No longer sediment buildup as mentioned in previous inspection. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Some sediment buildup in pipe visible on landward side--recommend clearing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 7.74). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 7.74). DWR As-Built Specification No. 61-01, Sheet No. 50, 7 March 1961, (HLM 7.74)].
FS Date: 7/13/2021

LM Start	7.66	Rating **	M	Issue No.	1235 (cont)
LM End	7.66	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71115_101646.jpg



LS view: Closeup of pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_71115_101642.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	7.66	Rating **	M	Issue No.	74
LM End	7.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.222689 °	37.222689 °
				-120.716400 °	-120.716400 °
DWR ID	DWR_NA0010_06_f _ 2018_74				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage to levee slope from livestock access.					

Photo 1 of 1 : FA_2022_NA0010_124_74_20220822_00012.jpg



Slope damage from livestock. (Spring 2022)

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	Erosion / Livestock			37.217199 °	37.217199 °
				-120.713374 °	-120.713374 °
DWR ID	DWR_NA0010_06_f_2017_65				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock damage to levee slope but the integrity of the levee is not compromised. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_124_65_20220822_00005.jpg



Looking southwest 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	1236
LM End	8.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.216547 °	37.216547 °
				-120.713000 °	-120.713000 °
DWR ID	19870				

Comment Code

Inspector Comment

DS_ID:19870
FS_ID:71116
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 07/13/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Some vegetation buildup over LS pipe inlet and WS flapgate, recommend removal of vegetation on both ends. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Sediment buildup in pipe--recommend contacting owner to clear sediment. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 8.22). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.21). DWR As-Built Specification No. 61-01, Sheet No. 51, 7 March 1961, (HLM 8.21)].
FS Date: 7/13/2021

LM Start	8.13	Rating **	M	Issue No.	1236 (cont)
LM End	8.13	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71116_102250.jpg



LS view: Closeup of pipe inlet at toe. Some vegetation blocking.

Photo 2 of 2 : UCIP_FA_2022_71116_102246.jpg



WS view: Closeup of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	8.20	Rating **	A/W	Issue No.	104
LM End	8.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.215588 °	37.215588 °
				-120.712406 °	-120.712406 °
DWR ID	DWR_NA0010_06_f_2020_104				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage on both sides has been repaired with loose soil. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_124_104_20220822_00031.jpg



Livestock damage to the landside slope. (Fall 2020)

LM Start	8.32	Rating **	A/W	Issue No.	89
LM End	8.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.214273 °	37.214273 °
				-120.711100 °	-120.711100 °
DWR ID	DWR_NA0010_06_f _ 2019_89				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage has been repaired with loose soil. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_124_89_20220822_00022.jpg



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

LM Start	8.33	Rating **	A/W	Issue No.	142
LM End	8.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.214232 °	37.214232 °
				-120.711025 °	-120.711025 °
DWR ID	DWR_NA0010_06_s_2022_142				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_142_20220822_00056.jpg



Looking down the levee slope at livestock damage. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	8.43	Rating **	M	Issue No.	1237
LM End	8.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.213288 °	37.213288 °
				-120.709503 °	-120.709503 °
DWR ID	19871				

Comment Code

Inspector Comment

DS_ID:19871
FS_ID:71117
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 07/13/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Inside of LS pipe inlet is rusted but no visible holes or deterioration. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 8.51). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.51). DWR As-Built Specification No. 61-01, Sheet No. 51, 7 March 1961, (HLM 8.51)].
FS Date: 7/13/2021

LM Start	8.43	Rating **	M	Issue No.	1237 (cont)
LM End	8.43	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71117_102257.jpg



LS view: Inside pipe inlet at toe, slightly rusted inside.

Photo 2 of 2 : UCIP_FA_2022_71117_102253.jpg



WS view: Inside pipe outlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	8.61	Rating **	M	Issue No.	121
LM End	8.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.211700 °	37.210809 °
				-120.706976 °	-120.706106 °
DWR ID	DWR_NA0010_06_f_2021_121				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_121_20220822_00042.jpg



Looking at rodent holes in the landside slope. (Fall 2021)

LM Start	9.67	Rating **	M	Issue No.	103
LM End	9.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200934 °	37.200836 °
				-120.694084 °	-120.693406 °
DWR ID	DWR_NA0010_06_f_2020_103				
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_2022_NA0010_124_103_20220822_00030.jpg



Rodent holes in the landside slope. (Fall 2020)

LM Start	10.12	Rating **	U	Issue No.	102
LM End	10.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.196845 °	37.196845 °
				-120.687892 °	-120.687892 °
DWR ID	DWR_NA0010_06_f_2020_102				
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_2022_NA0010_124_102_20220822_00029.jpg



View of large animal burrow in the landside slope. (Fall 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	10.78	Rating **	U	Issue No.	156
LM End	10.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.189849 °	37.189849 °
				-120.679749 °	-120.679749 °
DWR ID	DWR_NA0010_06_f_2022_156				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes in the landside slope and landside access ramp.					

Photo 1 of 1 : FA_2022_NA0010_124_156_20221010_00247.jpg



Representative view of animal burrows on the landside slope. (Fall 2022)

LM Start	10.96	Rating **	A/W	Issue No.	141
LM End	10.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.187999 °	37.187999 °
				-120.677522 °	-120.677522 °
DWR ID	DWR_NA0010_06_s_2022_141				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_141_20220822_00055.jpg



View of damage to the landside slope. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	10.97	Rating **	M	Issue No.	1238
LM End	10.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.187944 °	37.187944 °
				-120.677449 °	-120.677449 °
DWR ID	19563				
Comment Code					
Inspector Comment					
DS_ID:19563 FS_ID:71128 EP_NO: 18624 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 07/13/2021 The record has been upgraded from No Action Needed to Non-Urgent. WS outlets were underwater at time of inspection, limited inspection. There appears to be a new pump and pipe system off the LS toe. Confirm with owner on the status of this crossing. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch reinforced concrete water supply pipe (RCP) through the levee, 5.0 feet below the crown. Pipe riser units on both the inlet and the outlet sides. Control gate on the landside (LS). Slide gate on the waterside (WS) end. Joints secured in hoop steel and encased in concrete at each levee toe. (36-inch water pipe authorized under Permit No. 18624, 2010 - Wolfsen Land and Cattle Company). FS Date: 7/13/2021					

Photo 1 of 1 : UCIP_FA_2022_71128_102319.jpg



LS view: New pump and pipe system off the toe.

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 and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Almond tree located along Sandy Mush Road on waterside slope.					

Photo 1 of 1 : FA_2022_NA0010_124_14_20220822_00003.jpg



Looking west at tree on waterward slope. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	11.56	Rating **	M	Issue No.	1239
LM End	11.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.186227 °	37.186227 °
				-120.667337 °	-120.667337 °
DWR ID	19875				
Comment Code					
Inspector Comment					
DS_ID:19875 FS_ID:71150 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Indicator Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. Limited inspection due to dense vegetation over both LS inlet/headwall and WS flapgate, recommend removal of vegetation on both ends. WS toe is also covered by barbed wire. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Unable to stop--high traffic area--safety issue. Crossing needs to be evaluated. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 11.65). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.64). DWR As-Built Specification No. 59-01, Sheet No. 66, 10 December 1958, (HLM 11.64)]. FS Date: 7/13/2021					
LM Start	11.56	Rating **	M	Issue No.	1239 (cont)
LM End	11.56	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71150_102326.jpg



LS view: Top of headwall barely visible under dense vegetation.

Photo 2 of 2 : UCIP_FA_2022_71150_102323.jpg



WS view: Lower slope, flapgate covered by barbed wire and 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	11.74	Rating **	M	Issue No.	1240
LM End	11.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.185513 °	37.185513 °
				-120.664561 °	-120.664561 °
DWR ID	19876				
Comment Code					
Inspector Comment					
DS_ID:19876 FS_ID:71151 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. Dense vegetation over LS inlet and WS outlet, recommend removal of vegetation from both sides. Limited inspection of both inlet and outlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Clear debris from waterward and landward toes. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 17.0 feet below the crown. Slide gate in a pipe riser unit on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002, (HLM 11.83). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 11.82). DWR As-Built Specification No. 59-01, Sheet No. 66, 10 December 1958, (HLM 11.82)]. FS Date: 7/13/2021					
LM Start	11.74	Rating **	M	Issue No.	1240 (cont)
LM End	11.74	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71151_102328.jpg



WS view: Flapgate barely visible under dense vegetation at toe.

Photo 2 of 2 : UCIP_FA_2022_71151_102333.jpg



LS view: Headwall and inlet covered by dense vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	12.83	Rating **	M	Issue No.	155
LM End	12.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.171658 °	37.171663 °
				-120.662118 °	-120.659494 °
DWR ID	DWR_NA0010_06_f _ 2022_155				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.22	Rating **	M	Issue No.	1241	
LM End	13.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.171675 °	37.171675 °	
				-120.655064 °	-120.655064 °	
DWR ID	19877					
Comment Code						
Inspector Comment						
DS_ID:19877 FS_ID:71152 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. Partial cover on WS riser, recommend repair for safety reasons. Limited inspection due to LS pipe inlet being overed with vegetation, headwall barely visible, recommend removal. WS outlet not found, possibly buried under dirt or vegetaion. Recommend removal of vegetation and dirt to uncover WS pipe outlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 13.31). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 13.30). DWR As-Built Specification No. 59-01, Sheet No. 67, 10 December 1958, (HLM 13.30)]. FS Date: 7/13/2021						

Photo 1 of 3 : UCIP_FA_2022_71152_102340.jpg



LS view: Top of headwall at toe, inlet covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	13.22	Rating **	M	Issue No.	1241 (cont)
LM End	13.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.171675 °	37.171675 °	
			-120.655064 °	-120.655064 °	
DWR ID	19877				

Photo 2 of 3 : UCIP_FA_2022_71152_102337.jpg



WS view: Closeup of riser on slope, broken lid.

LM Start	13.22	Rating **	M	Issue No.	1241 (cont)
LM End	13.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71152_102336.jpg



WS view: Riser visible on slope from crown.

LM Start	13.23	Rating **	M	Issue No.	138
LM End	13.23	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.171713 °	37.171713 °
				-120.654822 °	-120.654822 °
DWR ID	DWR_NA0010_06_s_2022_138				
Comment Code					
FE : Fence					
Inspector Comment					
Temporary livestock fence installed across the levee crown.					

Photo 1 of 1 : FA_2022_NA0010_124_138_20220822_00054.jpg



View of temporary fence installed across the levee crown. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

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_2022_NA0010_124_68_20220822_00008.jpg



Looking downstream at dirt stockpile on the landside toe. (Fall 2020)

LM Start	14.00	Rating **	U	Issue No.	120
LM End	14.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.171591 °	37.171591 °
				-120.640938 °	-120.640938 °
DWR ID	DWR_NA0010_06_f_2021_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Caving has eaten approximately 1 foot into the levee crown.					

Photo 1 of 1 : FA_2022_NA0010_124_120_20220822_00041.jpg



View of slope stability issue on the landside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	14.36	Rating **	M	Issue No.	1242
LM End	14.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID	19878				
Comment Code					
Inspector Comment					
DS_ID:19878					
FS_ID:71153					
EP_NO: N/A					
Repair Type: Non-Urgent					
EVAL Issue: 11, Maintenance Compliance Issue					
Crossing Status: Found					
UCIP Comments: 07/13/2021 The record remains Non-Urgent. Limited inspection due to LS pipe inlet not being found, assuming its completely buried. Recommend removing dirt and vegetation to find alignment and confirming with owner on the status of this pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (O. Magana - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 14.44). DWR As-Built Specification No. 59-01, Sheet No. 68, 10 December 1958, (HLM 14.44)].					
FS Date: 7/13/2021					

Photo 1 of 1 : UCIP_FA_2022_71153_102397.jpg



LS view: Slope from toe, no pipe visible.

LM Start	14.37	Rating **	A/W	Issue No.	98
LM End	14.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.167740 °	37.167740 °
				-120.636282 °	-120.636282 °
DWR ID	DWR_NA0010_06_f_2020_98				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	14.63	Rating **	A/W	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 located along landside shoulder appear to have been repaired. Monitor for possible reappearance of rodents.					

No Photos

LM Start	14.71	Rating **	M	Issue No.	119
LM End	15.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.164000 °	37.160390 °
				-120.632225 °	-120.623995 °
DWR ID	DWR_NA0010_06_f_2021_119				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch dug approximate 5 - 15 feet from the landside toe.					

Photo 1 of 1 : FA_2022_NA0010_124_119_20220822_00040.jpg



Ditch landowner has dug on the landside toe. (Spring 2022)

LM Start	14.93	Rating **	U	Issue No.	154
LM End	14.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.162200 °	37.162200 °
				-120.628600 °	-120.628600 °
DWR ID	NA0010U06RM11.7				
Comment Code					
Inspector Comment					
Site ID: NA0010U06RM11.7 08/09/2022: The site was discovered by the LMA and visited during the annual field survey. The erosion is into the levee prism with a 5-ft vertical scarp running along the lower levee slope. There is a 12-15 ft wide berm below the erosion.					

Photo 1 of 3 : SJR2022_NA0010U06LM14.95_2.JPG



8/9/2022: View of the erosion 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	14.93	Rating **	U	Issue No.	154 (cont)
LM End	14.97	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.162200 °	37.162200 °	
			-120.628600 °	-120.628600 °	
DWR ID	NA0010U06RM11.7				

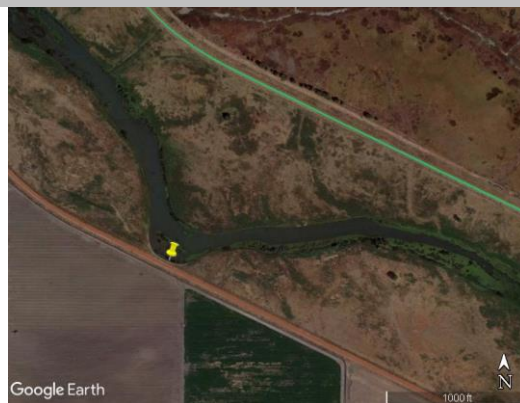
Photo 2 of 3 : SJR2022_NA0010U06LM14.95_1.JPG



8/9/2022: Close-up view of the erosion scarp.

LM Start	14.93	Rating **	U	Issue No.	154 (cont)
LM End	14.97	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2022_NA0010U06LM14.95_GE.JPG



9/13/2022: Aerial view of the erosion site (Google Earth Imagery from 9/25/2020).

LM Start	14.95	Rating **	U	Issue No.	88
LM End	14.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.162215 °	37.161921 °
				-120.628664 °	-120.627923 °
DWR ID	DWR_NA0010_06_f_2022_88				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is approximately 200 feet long, 15 feet in height and within the theoretical prism.					

Photo 1 of 1 : FA_2022_NA0010_124_88_20221010_00248.jpg



Erosion into the waterside toe. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	15.28	Rating **	U	Issue No.	124
LM End	15.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.160104 °	37.157640 °
				-120.623317 °	-120.618180 °
DWR ID	DWR_NA0010_06_s_2012_124				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_124_20220822_00044.jpg



Large rodent burrows observed in the landside slope. (Fall 2021)

LM Start	15.32	Rating **	M	Issue No.	118
LM End	15.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.159815 °	37.159815 °
				-120.622513 °	-120.622513 °
DWR ID	DWR_NA0010_06_s_2022_118				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_118_20220822_00039.jpg



View of rodent holes on the waterside slope. (Spring 2022)

LM Start	15.66	Rating **	M	Issue No.	137
LM End	15.66	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			37.157108 °	37.157108 °
				-120.617451 °	-120.617451 °
DWR ID	DWR_NA0010_06_s_2022_137				
Comment Code					
AG : Access Gates					
Inspector Comment					
New gate installed does not have enough clearance above the levee crown to fully open. This a possible access issue for larger vehicles. Recommend reinstalling or replacing.					

Photo 1 of 1 : FA_2022_NA0010_124_137_20220822_00053.jpg



View of access gate that cannot fully open and is damaging the levee crown. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	15.68	Rating **	M	Issue No.	1243
LM End	15.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.156934 °	37.156934 °
				-120.617210 °	-120.617210 °
DWR ID	19884				
Comment Code					
Inspector Comment					
DS_ID:19884 FS_ID:71133 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. Limited inspection of LS pipe inlet. LS pipe edges are warped and inlet filled with sediment and some vegetation, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 14.0 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 15.78). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 15.76). DWR As-Built Specification No. 59-01, Sheet No. 69, 10 December 1958, (HLM 15.76)]. FS Date: 7/13/2021					

LM Start	15.68	Rating **	M	Issue No.	1243 (cont)
LM End	15.68	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71133_102351.jpg



LS view: Closeup of pipe inlet at toe with sediment buildup.

Photo 2 of 2 : UCIP_FA_2022_71133_102350.jpg



LS view: Headwall visible at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.155539 °	37.155539 °	
				-120.615303 °	-120.615303 °	
DWR ID	19885					
Comment Code						
Inspector Comment						
DS_ID:19885 FS_ID:71134 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. LS pipe inlet was underwater at time of inspection. WS flapgate was buried under sediment, limited inspection on both ends. Recommend removal of sediment covering flapgate on WS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 15.93). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 15.91). DWR As-Built Specification No. 59-01, Sheet No. 69, 10 December 1958, (HLM 15.91)]. FS Date: 7/13/2021						

Photo 1 of 1 : UCIP_FA_2022_71134_102360.jpg



WS view: Closeup of headwall and flapgate covered by dirt at toe.

LM Start	16.24	Rating **	M	Issue No.	83
LM End	16.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.151529 °	37.151529 °
				-120.609767 °	-120.609767 °
DWR ID	DWR_NA0010_06_s_2021_83				
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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Lower San Joaquin Levee District

No Photos

Looking along the landside slope at rodent burrows. (Spring 2022)

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	17.79	Rating **	M	Issue No.	153
LM End	18.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.133023 °	37.119876 °
				-120.593812 °	-120.587457 °
DWR ID	DWR_NA0010_06_f_2022_153				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is located outside of the easement but water appears to be seeping through the ditch walls and causing water to pool on the landside toe.					

Photo 1 of 1 : FA_2022_NA0010_124_153_20221010_00249.jpg



Seepage on the landside toe from the nearby ditch. (Fall 2022)

LM Start	18.20	Rating **	M	Issue No.	1245	
LM End	18.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.127773 °	37.127773 °	
				-120.590809 °	-120.590809 °	
DWR ID	19887					
Comment Code						
Inspector Comment						
DS_ID:19887 FS_ID:71137 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. LS pipe inlet filled with sediment, recommend removal. WS flapgate has some vegetation over it, recommend removal. Limited inspection on both WS and LS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Sediment build up on landward side toe -- debris blockage. No photos available. Recommend taking photos of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 18.29). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 18.27). DWR As-Built Specification No. 59-01, Sheet No. 70, 10 December 1958, (HLM 18.27)]. FS Date: 7/13/2021						

Photo 1 of 2 : UCIP_FA_2022_71137_101421.jpg



LS view: Closeup of pipe inlet at toe filled with sediment.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	18.20	Rating **	M	Issue No.	1245 (cont)
LM End	18.20	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.127773 °	37.127773 °	
			-120.590809 °	-120.590809 °	
DWR ID	19887				

Photo 2 of 2 : UCIP_FA_2022_71137_101424.jpg



WS view: Closeup of flapgate at toe covered with vegetation.

LM Start	18.89	Rating **	M	Issue No.	1246
LM End	18.89	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.118178 °	37.118178 °	
			-120.586783 °	-120.586783 °	
DWR ID	19889				

Comment Code

Inspector Comment

DS_ID:19889
 FS_ID:71139
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 4b, Safety Issue
 Crossing Status: Found
 UCIP Comments: 07/12/2021 The record remains Non-Urgent. Barbed wire over LS end, could not inspect closely. No cover over WS riser, causing safety hazard. Slightly warped edges on both WS and LS pipe inlet/outlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)

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. (O. Magana - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.2 feet below the crown. Slide gate in a pipe riser unit on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002, (HLM 18.98). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 18.97). DWR As-Built Specification No. 59-01, Sheet No. 71, 10 December 1958, (HLM 18.97)].

FS Date: 7/12/2021

Photo 1 of 2 : UCIP_FA_2022_71139_101555.jpg



WS view: Riser missing cover on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	1246 (cont)
LM End	18.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.118178 °	37.118178 °
				-120.586783 °	-120.586783 °
DWR ID	19889				

Photo 2 of 2 : UCIP_FA_2022_71139_101557.jpg



WS view: Closeup of pipe outlet at toe with slightly warped edges.

LM Start	19.00	Rating **	M	Issue No.	151
LM End	19.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.116678 °	37.113669 °
				-120.586706 °	-120.588227 °
DWR ID	DWR_NA0010_06_f_2022_151				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	19.07	Rating **	U	Issue No.	72
LM End	19.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115706 °	37.115706 °
				-120.587036 °	-120.587036 °
DWR ID	DWR_NA0010_06_s_2021_72				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_72_20220822_00011.jpg



Large rodent burrows observed in the landside slope. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	19.14	Rating **	C	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_2022_1211				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	19.18	Rating **	M	Issue No.	136
LM End	19.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114272 °	37.113716 °
				-120.587857 °	-120.588225 °
DWR ID	DWR_NA0010_06_s_2022_136				
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_2022_NA0010_124_136_20220822_00052.jpg



Looking downstream along the landside slope at rodent burrows. (Spring 2022)

LM Start	19.23	Rating **	M	Issue No.	135
LM End	19.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			37.113581 °	37.113581 °
				-120.588310 °	-120.588310 °
DWR ID	DWR_NA0010_06_s_2022_135				
Comment Code					
AG : Access Gates					
Inspector Comment					
Bottom of gate has broken off near hinge causing the gate to drag.					

Photo 1 of 1 : FA_2022_NA0010_124_135_20220822_00051.jpg



View of access gate with a broken bottom hinge. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	19.23	Rating **	M	Issue No.	150
LM End	20.77	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.113531 °	37.113219 °
				-120.588316 °	-120.564023 °
DWR ID	DWR_NA0010_06_f_2022_150				
Comment Code					
MISC : Miscellaneous					
Inspector Comment					
LMA reported depressions in the roadway is causing water to pool on the crown during rain events. This is leading to further degradation of the levee. Per the O&M manual Merced County is responsible for maintaining the roadways on this levee section.					

No Photos

LM Start	19.28	Rating **	M	Issue No.	1247	
LM End	19.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.112902 °		37.112902 °
				-120.588751 °		-120.588751 °
DWR ID	19890					
Comment Code						
Inspector Comment						
DS_ID:19890 FS_ID:71140 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. WS pipe outlet visible but underwater, unable to inspect closely. LS pipe inlet was not seen, but likely underwater. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe (CMP) through the levee, 20.0 feet below the crown. Slide gate in a pipe riser unit on the waterside (WS) slope. Riprap along the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002, (HLM 19.36). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.36). DWR As-Built Specification No. 59-01, Sheet No. 72, 10 December 1958, (HLM 19.36)]. FS Date: 7/12/2021						

Photo 1 of 3 : UCIP_FA_2022_71140_101574.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	19.28	Rating **	M	Issue No.	1247 (cont)
LM End	19.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.112902 °	37.112902 °
				-120.588751 °	-120.588751 °
DWR ID	19890				

Photo 2 of 3 : UCIP_FA_2022_71140_101575.jpg



LS view: Slope from crown, no pipe visible.

LM Start	19.28	Rating **	M	Issue No.	1247 (cont)
LM End	19.28	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71140_101576.jpg



WS view: Slidegate visible on slope from crown.

LM Start	19.41	Rating **	M	Issue No.	111
LM End	19.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111677 °	37.112989 °
				-120.587568 °	-120.586620 °
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

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	19.94	Rating **	M	Issue No.	1248	
LM End	19.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.113304 °		37.113304 °
				-120.579102 °		-120.579102 °
DWR ID	19891					
Comment Code						
Inspector Comment						
DS_ID:19891 FS_ID:71141 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. Limited inspection due to dense vegetation on LS and WS ends, LS headwall just barely visible, recommend removal of vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert (RCBC) through the levee, 14.0 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 19.82). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 19.85). DWR As-Built Specification No. 59-01, Sheet No. 73, 10 December 1958, (HLM 19.85)]. FS Date: 7/12/2021						

LM Start	19.94	Rating **	M	Issue No.	1248 (cont)
LM End	19.94	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_71141_101579.jpg



LS view: Dense vegetation over pipe inlet at toe, pipe not visible.

Photo 2 of 2 : UCIP_FA_2022_71141_101584.jpg



WS view: Close up of pipe outlet area covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	20.79	Rating **	M	Issue No.	1209
LM End	21.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.113107 °	37.108653 °
				-120.563782 °	-120.558977 °
DWR ID	DWR_NA0010_06_s_2015_1209				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion on landside slope greater than 3 inches. Erosion caused by livestock.					

Photo 1 of 1 : FA_2022_NA0010_124_1209_20220822_00063.jpg



Erosion on the landside slope from livestock activity. (Spring 2020)

LM Start	21.24	Rating **	M	Issue No.	149
LM End	21.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.108126 °	37.108126 °
				-120.558461 °	-120.558461 °
DWR ID	DWR_NA0010_06_f _ 2022_149				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_149_20221012_00250.jpg



View of multiple rodent holes on the landside slope. (Fall 2022)

LM Start	21.28	Rating **	A/W	Issue No.	64
LM End	21.28	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.107670 °	37.107670 °
				-120.557990 °	-120.557990 °
DWR ID	253-136				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:35					
Site Designation:253-136					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	21.30	Rating **	U	Issue No.	113
LM End	21.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.107502 °	37.107502 °
				-120.557813 °	-120.557813 °
DWR ID	DWR_NA0010_06_f _ 2021_113				
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_2022_NA0010_124_113_20220822_00035.jpg



Several rodent holes observed at this location. (Fall 2021)

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					

Photo 1 of 1 : FA_2022_NA0010_124_114_20220822_00036.jpg



View of rodent burrows on the landside slope. (Spring 2020)

LM Start	21.54	Rating **	M	Issue No.	112
LM End	21.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.104695 °	37.104258 °
				-120.555001 °	-120.554559 °
DWR ID	DWR_NA0010_06_f_2021_112				
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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

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 / Livestock			37.102844 °	37.102002 °
				-120.553160 °	-120.552314 °
DWR ID	DWR_NA0010_06_f_2018_107				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion into levee prism due to livestock activities.					

Photo 1 of 1 : FA_2022_NA0010_124_107_20220822_00032.jpg



View of erosion in landside levee prism. (Spring 2019)

LM Start	21.82	Rating **	M	Issue No.	91
LM End	22.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.101617 °	37.098894 °
				-120.551909 °	-120.549178 °
DWR ID	DWR_NA0010_06_f _ 2020_91				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_91_20220822_00024.jpg



Cattle trail damage to the landside slope and shoulder. (Fall 2020)

LM Start	22.09	Rating **	M	Issue No.	86
LM End	22.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.098524 °	37.094479 °
				-120.548781 °	-120.544435 °
DWR ID	DWR_NA0010_06_f_2017_86				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion greater than 3 inches on landside slope caused by livestock.					

Photo 1 of 1 : FA_2022_NA0010_124_86_20220822_00021.jpg



Looking upstream along the landside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	22.15	Rating **	U	Issue No.	70
LM End	22.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.097885 °	37.097885 °
				-120.548108 °	-120.548108 °
DWR ID	DWR_NA0010_06_s_2021_70				
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_2022_NA0010_124_70_20220822_00010.jpg



View of large rodent burrows in the landside slope. (Spring 2021)

LM Start	22.87	Rating **	M	Issue No.	117
LM End	22.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.089954 °	37.089954 °
				-120.539535 °	-120.539535 °
DWR ID	DWR_NA0010_06_f _ 2019_117				
Comment Code					
DE : Debris					
Inspector Comment					
Large block of concrete left on the landside toe.					

Photo 1 of 1 : FA_2022_NA0010_124_117_20220822_00038.jpg



Large concrete block left on the landside toe. (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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	22.92	Rating **	M	Issue No.	1249	
LM End	22.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.089411 °	37.089411 °	
				-120.538940 °	-120.538940 °	
DWR ID	19812					
Comment Code						
Inspector Comment						
DS_ID:19812 FS_ID:71142 EP_NO: 12657 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 07/12/2021 The record has been upgraded from No Action Needed to Non-Urgent. One of the attached pipes on WS appears to have been removed and is not attached. Unable to access LS riser due to barbed wire. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 4.0 feet below the crown. Cutoff wall around the pipe at the center of the levee. Portable pump on the waterside (WS). Concrete standpipe on the landside (LS) slope with a timber walkway access ramp. Siphon breaker on the LS shoulder. Intake trench from the channel to the WS toe. (Diversion pump and discharge pipe authorized under Permit No. 12657, 1979 - Laurie H. Hall, Mary H. Hicks, and William E. Hammonds). [Additional Reference(s): DWR Levee Log, 2002, (HLM 22.82)]. FS Date: 7/12/2021						

Photo 1 of 1 : UCIP_FA_2022_71142_101603.jpg



WS view: Portion of pipe not attached and discarded.

LM Start	23.11	Rating **	M	Issue No.	110
LM End	23.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.087312 °	37.087312 °
				-120.536662 °	-120.536662 °
DWR ID	DWR_NA0010_06_f_2021_110				
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_2022_NA0010_124_110_20220822_00034.jpg



View of rodent burrows on the landside slope. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	23.41	Rating **	M	Issue No.	144
LM End	24.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.084066 °	37.072944 °
				-120.533162 °	-120.521129 °
DWR ID	DWR_NA0010_06_f_2022_144				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	24.02	Rating **	M	Issue No.	1250	
LM End	24.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.077406 °		37.077406 °
				-120.525938 °		-120.525938 °
DWR ID	19879					
Comment Code						
Inspector Comment						
DS_ID:19879 FS_ID:71143 EP_NO: 13638 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 07/12/2021 The record remains Non-Urgent. WS pump removed and wires cut. Large pieces of pipe appear to be out of place, crossing appears abandoned. Pump off LS toe behind fence is running for well water. Recommend contacting owner to confirm status of crossing. Erosion and instability underneath concrete pad meant for pump on the edge of the WS outlet channel. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/17/2014 Need to contact owner to determine status. Crossing has been modified. (O. Magana - DWR UCIP) 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. (Pump and 16-inch pipe authorized under Permit No. 13638, 1983 - Hamonds Ranch). [Additional Reference(s): DWR Levee Log, 2002, (HLM 23.92)]. FS Date: 7/12/2021						

Photo 1 of 2 : UCIP_FA_2022_71143_101613.jpg



WS view: Pump removed and pipes displaced at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	24.46	Rating **	C	Issue No.	78
LM End	24.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			37.072606 °	37.072606 °
				-120.520748 °	-120.520748 °
DWR ID	DWR_NA0010_06_f_2020_78				
Comment Code					
AG : Access Gates					
Inspector Comment					
Under eastbound 152. Gate in channel under highway 152 should be repaired.					

No Photos

LM Start	24.62	Rating **	M	Issue No.	109
LM End	24.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.070841 °	37.067859 °
				-120.518829 °	-120.515616 °
DWR ID	DWR_NA0010_06_f _ 2021_109				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

No Photos

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					
A3 : No rodents visible, but rodent burrows visible; need to 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_2022_NA0010_124_1208_20220822_00062.jpg



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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	26.37	Rating **	M	Issue No.	140
LM End	26.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.051751 °	37.051751 °
				-120.497801 °	-120.497801 °
DWR ID	DWR_NA0010_06_f_2022_140				
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_2022_NA0010_124_140_20221012_00252.jpg



View of multiple animal holes in the landside slope. (Fall 2022)

LM Start	26.71	Rating **	M	Issue No.	77
LM End	26.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.048333 °	37.048333 °
				-120.493507 °	-120.493507 °
DWR ID	DWR_NA0010_06_f _ 2020_77				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	27.43	Rating **	U	Issue No.	3
LM End	27.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.036955 °	37.032762 °
				-120.484395 °	-120.481078 °
DWR ID	DWR_NA0010_06_s_2012_3				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
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 1 : FA_2022_NA0010_124_3_20220822_00001.jpg



Looking south along landside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	27.65	Rating **	M	Issue No.	132
LM End	27.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.036856 °	37.033468 °
				-120.484309 °	-120.481709 °
DWR ID	DWR_NA0010_06_s_2022_132				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_132_20220822_00050.jpg



View of erosion on the waterside slope. (Spring 2022)

LM Start	28.18	Rating **	A/W	Issue No.	131
LM End	28.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.030925 °	37.030925 °
				-120.478368 °	-120.478368 °
DWR ID	DWR_NA0010_06_s_2022_131				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_131_20220822_00049.jpg



View of damage to the landside slope. (Spring 2022)

LM Start	28.39	Rating **	M	Issue No.	75
LM End	28.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.030010 °	37.030010 °
				-120.474765 °	-120.474765 °
DWR ID	DWR_NA0010_06_f_2020_75				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	28.47	Rating **	M	Issue No.	19
LM End	28.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.029937 °	37.029977 °
				-120.473384 °	-120.472266 °
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 on the landside slope and crown.					

Photo 1 of 1 : FA_2022_NA0010_124_19_20220822_00004.jpg



View of rodent burrow in the levee crown. (Fall 2019)

LM Start	28.95	Rating **	A/W	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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	29.44	Rating **	M	Issue No.	1251
LM End	29.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.030369 °	37.030369 °
				-120.455969 °	-120.455969 °
DWR ID	19881				
Comment Code					
Inspector Comment					
DS_ID:19881 FS_ID:71146 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. WS inlet had sediment build up in pipe; recommend removal. Build up of debris in CMP riser on WS slope; recommend removal. WS CMP riser is missing lid, causing safety hazard. LS pipe outlet had elevated water levels around the headwall and pipe, limited ability to inspect closely. Unidentified pipe has been installed off 15 feet from the toe of LS headwall; does not affect crossing. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity irrigation pipe (CMP) through the levee, 12.4 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 29.34). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 29.34). DWR As-Built Specification No. 64-01, Sheet No. 10, 6 November 1963, (HLM 29.34)]. FS Date: 6/24/2021 4:24:00 PM					

Photo 1 of 3 : UCIP_FA_2022_71146_103939.jpg



LS view: Concrete headwall and slope from toe. Unidentified pipes near entrance of outlet 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	29.44	Rating **	M	Issue No.	1251 (cont)
LM End	29.44	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.030369 °	37.030369 °	
			-120.455969 °	-120.455969 °	
DWR ID	19881				

Photo 2 of 3 : UCIP_FA_2022_71146_103935.jpg



WS view: Close up of CMP riser with slide gate located on slope.

LM Start	29.44	Rating **	M	Issue No.	1251 (cont)
LM End	29.44	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_71146_103938.jpg



WS view: Inside of inlet pipe at toe.

LM Start	29.51	Rating **	A/W	Issue No.	73
LM End	29.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.030437 °	37.030437 °
				-120.454568 °	-120.454568 °
DWR ID	DWR_NA0010_06_f_2020_73				
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**

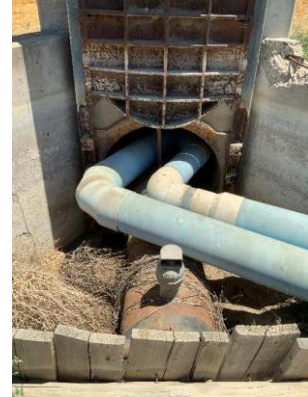
Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	30.36	Rating **	M	Issue No.	1252
LM End	30.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.027330 °	37.027330 °
				-120.441498 °	-120.441498 °
DWR ID	19882				
Comment Code					
Inspector Comment					
DS_ID:19882 FS_ID:71147 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Altered crossing -- Two 12" plastic pipes going through LS outlet, recommend removing before flood season. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/10/2014 Altered crossing--steel pipe section on landward side and concrete pipe section on waterward side. Joints on waterward side separated. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Rodunder Siphon] 48-inch reinforced concrete pipe (RCP) irrigation siphon 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, (HLM 30.26). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 30.27). DWR As-Built Specification No. 64-01, Sheet No. 11, 6 November 1963, (HLM 30.27)]. FS Date: 6/24/2021 10:15:00 AM					

Photo 1 of 1 : UCIP_FA_2022_71147_103942.jpg



LS view: Closeup of slide gate and unauthorized 12" pipes going through outlet pipe at toe, 1 of 2 photos.

LM Start	30.79	Rating **	M	Issue No.	139
LM End	30.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.021804 °	37.021804 °
				-120.437703 °	-120.437703 °
DWR ID	DWR_NA0010_06_f_2022_139				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Collapsed rodent burrow has created a few depressions in the crown at this location.					

Photo 1 of 1 : FA_2022_NA0010_124_139_20221012_00253.jpg



Depression in the levee crown. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	30.81	Rating **	M	Issue No.	1207
LM End	31.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.021615 °	37.018428 °
				-120.437587 °	-120.435378 °
DWR ID	DWR_NA0010_06_s_2015_1207				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Landside erosion greater than 1" in depth and greater than 3" in length. Erosion is caused by livestock traffic.					

Photo 1 of 1 : FA_2022_NA0010_124_1207_20220822_00061.jpg



Looking upstream at livestock damage to the landside slope. (Fall 2020)

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_2022_NA0010_124_80_20220822_00016.jpg



Looking upstream at ramp on the waterside slope. (Fall 2020)

LM Start	31.14	Rating **	C	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					

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	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	31.18	Rating **	C	Issue No.	128
LM End	31.18	Issue Type +	En	Location *	WS
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 was removed from crown crossing and has been discarded in the channel.					

No Photos

LM Start	31.50	Rating **	M	Issue No.	108
LM End	31.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.012830 °	37.010335 °
				-120.431523 °	-120.429817 °
DWR ID	DWR_NA0010_06_f _ 2021_108				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_124_108_20220822_00033.jpg



View of the landside slope looking downstream. (Fall 2021)

LM Start	32.01	Rating **	A/W	Issue No.	81
LM End	32.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.006888 °	37.006888 °
				-120.426030 °	-120.426030 °
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					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	32.37	Rating **	U	Issue No.	129
LM End	32.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.003251 °	36.997745 °
				-120.421556 °	-120.415197 °
DWR ID	DWR_NA0010_06_s_2022_129				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage from livestock. Damage is beginning to erode into levee crown.					

Photo 1 of 1 : FA_2022_NA0010_124_129_20220822_00047.jpg



Erosion from livestock activity along the landside slope. (Spring 2022)

LM Start	34.79	Rating **	M	Issue No.	133
LM End	36.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.977044 °	36.974207 °
				-120.392275 °	-120.363378 °
DWR ID	DWR_NA0010_06_f_2022_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	35.23	Rating **	M	Issue No.	134
LM End	36.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974624 °	36.974236 °
				-120.385308 °	-120.363430 °
DWR ID	DWR_NA0010_06_f_2022_134				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	09/28/2022 09/30/2022	Corey Fujitani

LM Start	35.51	Rating **	M	Issue No.	130
LM End	35.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.974349 °	36.974349 °
				-120.380584 °	-120.380584 °
DWR ID	DWR_NA0010_06_s_ 2022_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_2022_NA0010_124_130_20220822_00048.jpg



Representative view of rodent burrows in the landside slope. (Spring 2022)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/6/2022 - 4/6/2022		9/21/2022 - 9/21/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID	19892				

Comment Code

Inspector Comment

DS_ID:19892
FS_ID:71165
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 06/2/2021 Record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.08). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.07). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.07)].
FS Date: 6/2/2021

LM Start	0.07	Rating **	M	Issue No.	30 (cont)
LM End	0.07	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71165_99441.jpg



LS view: Slope and headwall at toe.

Photo 2 of 3 : UCIP_FA_2022_71165_99442.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID	19892				

Photo 3 of 3 : UCIP_FA_2022_71165_99438.jpg



WS view: Slope, headwall, and flapgate at toe.

LM Start	0.08	Rating **	A	Issue No.	15
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255929 °	37.255929 °
				-120.771005 °	-120.771005 °
DWR ID	DWR_NA0010_07_f_2022_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0010_125_15_20221012_00042.jpg



View of vegetation management on the waterside slope. (Fall 2022)

LM Start	0.10	Rating **	M	Issue No.	17
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256017 °	37.256017 °
				-120.770636 °	-120.770636 °
DWR ID	DWR_NA0010_07_f_2021_17				
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_2022_NA0010_125_17_20220822_00004.jpg



View of rodent holes in the landside slope. (Fall 2021)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.33	Rating **	M	Issue No.	31
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.257691 °	37.257691 °
				-120.767203 °	-120.767203 °
DWR ID	19893				
Comment Code					
Inspector Comment					
DS_ID:19893 FS_ID:71166 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.34). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.33). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.33)]. FS Date: 6/2/2021					
LM Start	0.33	Rating **	M	Issue No.	31 (cont)
LM End	0.33	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71166_99448.jpg



LS view: Slope and headwall at toe.

Photo 2 of 3 : UCIP_FA_2022_71166_99443.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.33	Rating **	M	Issue No.	31 (cont)
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.257691 °	37.257691 °	
			-120.767203 °	-120.767203 °	
DWR ID	19893				

Photo 3 of 3 : UCIP_FA_2022_71166_99445.jpg



WS view: Slope, headwall, and flapgate at toe.

LM Start	0.40	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			37.257786 °	37.258722 °
				-120.765855 °	-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 1 : FA_2022_NA0010_125_29_20220822_00011.jpg



Looking at representative rodent hole in the landside slope. (Fall 2021)

LM Start	0.44	Rating **	M	Issue No.	22
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257894 °	37.257894 °
				-120.765231 °	-120.765231 °
DWR ID	DWR_NA0010_07_s_2021_22				
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_2022_NA0010_125_22_20220822_00008.jpg



View of rodent burrows in the waterside slope and shoulder. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility			37.258543 °	37.258543 °	
				-120.764728 °	-120.764728 °	
DWR ID	19894					
Comment Code						
Inspector Comment						
DS_ID:19894 FS_ID:71167 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. No cover over the WS metal riser. There is debris and wood pallets within the riser that may prevent the ability for the slidegate to be opened or water to flow through, recommend cleaning out. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/15/2014 Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.7 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 0.49). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.49). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.49)]. FS Date: 6/2/2021						

Photo 1 of 3 : UCIP_FA_2022_71167_99450.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility		37.258543 °	37.258543 °	
			-120.764728 °	-120.764728 °	
DWR ID	19894				

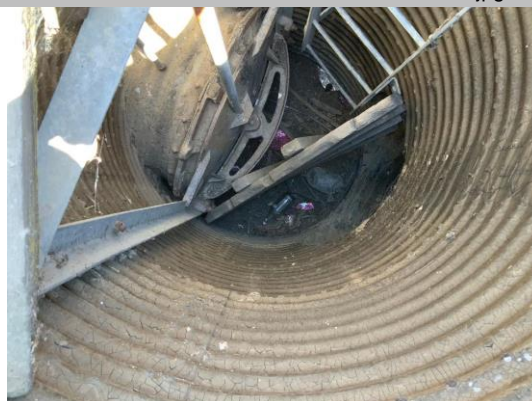
Photo 2 of 3 : UCIP_FA_2022_71167_99453.jpg



WS view: Slope with metal riser and slidegate from crown.

LM Start	0.49	Rating **	M	Issue No.	32 (cont)
LM End	0.49	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71167_99454.jpg



WS view: Close up of inside metal riser, wood pallets in the way.

LM Start	0.53	Rating **	A/W	Issue No.	18
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.259097 °	37.259097 °
				-120.764846 °	-120.764846 °
DWR ID	DWR_NA0010_07_f_2018_18				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is livestock damage to the landside slope but the levee integrity is not compromised. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_125_18_20220822_00005.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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.53	Rating **	U	Issue No.	33
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.259163 °	37.259163 °
				-120.764860 °	-120.764860 °
DWR ID	19895				

Comment Code

Inspector Comment

DS_ID:19895
FS_ID:72517
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. There are plywood barriers on both WS and LS pipe ends, but no flapgate on either, and flapgate removed on WS. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 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, (HLM 0.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.53). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.53)].
FS Date: 6/2/2021

LM Start	0.53	Rating **	U	Issue No.	33 (cont)
LM End	0.53	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_72517_99457.jpg



LS view: Close up of plywood barrier at toe.

Photo 2 of 3 : UCIP_FA_2022_72517_99458.jpg



LS view: Close up of pipe inlet at 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.53	Rating **	U	Issue No.	33 (cont)
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.259163 °	37.259163 °	
			-120.764860 °	-120.764860 °	
DWR ID	19895				

Photo 3 of 3 : UCIP_FA_2022_72517_99463.jpg



WS view: Close up of plywood barrier with no flapgate.

LM Start	0.56	Rating **	M	Issue No.	23
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259579 °	37.259579 °
				-120.764687 °	-120.764687 °
DWR ID	DWR_NA0010_07_f _ 2021_23				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_125_23_20220822_00009.jpg



Looking at rodent burrows along the waterside slope. (Fall 2021)

LM Start	0.70	Rating **	A/W	Issue No.	19
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.261337 °	37.261337 °
				-120.763303 °	-120.763303 °
DWR ID	DWR_NA0010_07_f_2018_19				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is livestock damage to the landside slope but the levee integrity is not compromised. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_125_19_20220822_00006.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility			37.262981 °	37.262981 °	
				-120.761703 °	-120.761703 °	
DWR ID	19896					
Comment Code						
Inspector Comment						
DS_ID:19896 FS_ID:71169 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Limited inspection due to water flowing through the pipe during inspection. At the time of inspection, the wooden flashboards were not in place on the LS end. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/15/2014 Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Wooden weir on a concrete headwall at the landside (LS) toe. 36-inch concrete riser unit at the LS toe. Concrete U-shaped headwall on the WS end. Concrete standpipe on the LS. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.86). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.85). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.85)]. FS Date: 6/2/2021						

Photo 1 of 3 : UCIP_FA_2022_71169_99465.jpg



LS view: Slope and riser visible at toe.

LM Start	0.85	Rating **	M	Issue No.	34 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71169_99466.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility		37.262981 °	37.262981 °	
			-120.761703 °	-120.761703 °	
DWR ID	19896				

Photo 3 of 3 : UCIP_FA_2022_71169_99470.jpg



WS view: Close up of flapgate at toe.

LM Start	0.94	Rating **	M	Issue No.	35
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.263950 °	37.263950 °	
			-120.760572 °	-120.760572 °	
DWR ID	19897				

Comment Code

Inspector Comment

DS_ID:19897
 FS_ID:71170
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.94). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.94). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.94)].
 FS Date: 6/2/2021

Photo 1 of 3 : UCIP_FA_2022_71170_99472.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.94	Rating **	M	Issue No.	35 (cont)
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.263950 °	37.263950 °	
			-120.760572 °	-120.760572 °	
DWR ID	19897				

Photo 2 of 3 : UCIP_FA_2022_71170_99473.jpg



LS view: Close up of pipe inlet.

LM Start	0.94	Rating **	M	Issue No.	35 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71170_99476.jpg



WS view: Slope, headwall, and flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	1.17	Rating **	M	Issue No.	36
LM End	1.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.264421 °	37.264421 °
				-120.756683 °	-120.756683 °
DWR ID	19898				

Comment Code

Inspector Comment

DS_ID:19898
FS_ID:71171
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.17). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.17). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 1.17)].
FS Date: 6/2/2021

LM Start	1.17	Rating **	M	Issue No.	36 (cont)
LM End	1.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71171_99483.jpg



LS view: Slope and headwall at toe.

Photo 2 of 3 : UCIP_FA_2022_71171_99484.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	1.17	Rating **	M	Issue No.	36 (cont)
LM End	1.17	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.264421 °	37.264421 °	
			-120.756683 °	-120.756683 °	
DWR ID	19898				

Photo 3 of 3 : UCIP_FA_2022_71171_99479.jpg



WS view: Slope, headwall, and flapgate at toe.

LM Start	1.24	Rating **	A/W	Issue No.	25
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.264365 °	37.264365 °
				-120.755358 °	-120.755358 °
DWR ID	DWR_NA0010_07_s_2022_25				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_125_25_20220822_00010.jpg



Looking down the landside slope at erosion from livestock traffic. (Spring 2022)

LM Start	1.49	Rating **	A/W	Issue No.	16
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.263999 °	37.263999 °
				-120.750854 °	-120.750854 °
DWR ID	DWR_NA0010_07_f _ 2017_16				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Monitor the slope damaged by animal traffic.					

Photo 1 of 1 : FA_2022_NA0010_125_16_20220822_00003.jpg



Cattle trail on the landside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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 1 : FA_2022_NA0010_125_6_20220822_00001.jpg



View of rodent holes on the landside slope. (Spring 2022)

LM Start	1.50	Rating **	M	Issue No.	37	
LM End	1.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.263917 °		37.263917 °
				-120.750694 °		-120.750694 °
DWR ID	19902					
Comment Code						
Inspector Comment						

Photo 1 of 3 : UCIP_FA_2022_71172_99486.jpg



LS view: Slope and headwall at toe.

DS_ID:19902
 FS_ID:71172
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 14.0 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, (HLM 1.51). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.51). DWR As-Built Specification No. 63-25, Sheet No. 12, 9 May 1963, (HLM 1.51)].
 FS Date: 6/2/2021

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	1.50	Rating **	M	Issue No.	37 (cont)
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263917 °	37.263917 °
				-120.750694 °	-120.750694 °
DWR ID	19902				

Photo 2 of 3 : UCIP_FA_2022_71172_99487.jpg



LS view: Close up of pipe inlet at toe.

LM Start	1.50	Rating **	M	Issue No.	37 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71172_99489.jpg



WS view: Slope, headwall, and flapgate at toe.

LM Start	1.71	Rating **	A/W	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					
Bait station has been placed at location. Continue to monitor.					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	1.90	Rating **	M	Issue No.	21
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.261379 °	37.261379 °
				-120.744228 °	-120.744228 °
DWR ID	DWR_NA0010_07_f_2018_21				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_125_21_20220822_00007.jpg



View of damage to the landside slope. (Fall 2020)

LM Start	2.09	Rating **	M	Issue No.	12
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 1 of 1 : FA_2022_NA0010_125_12_20220822_00002.jpg



View of rodent hole at the fence post on the landside shoulder. (Fall 2020)

LM Start	2.37	Rating **	M	Issue No.	20
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257028 °	37.257028 °
				-120.738484 °	-120.738484 °
DWR ID	DWR_NA0010_07_f_2020_20				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.48	Rating **	M	Issue No.	38
LM End	2.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.255803 °	37.255803 °
				-120.737246 °	-120.737246 °
DWR ID	19899				
Comment Code					
Inspector Comment					
DS_ID:19899 FS_ID:71173 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS pipe end surrounded by barbed wire, could not inspect closely. Metal pipe and plastic riser with flowmeter off the LS toe. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 2.49). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.48). DWR As-Built Specification No. 63-25, Sheet No. 12, 9 May 1963, (HLM 2.48)]. FS Date: 6/2/2021					

Photo 1 of 3 : UCIP_FA_2022_71173_99499.jpg



LS view: Slope and headwall at toe.

LM Start	2.48	Rating **	M	Issue No.	38 (cont)
LM End	2.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71173_99493.jpg



LS view: Pipe inlet and riser with flowmeter off toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.48	Rating **	M	Issue No.	38 (cont)
LM End	2.48	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.255803 °	37.255803 °	
			-120.737246 °	-120.737246 °	
DWR ID	19899				

Photo 3 of 3 : UCIP_FA_2022_71173_99495.jpg



WS view: Slope, headwall, and flapgate at toe.

LM Start	2.63	Rating **	M	Issue No.	39
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.254832 °	37.254832 °	
			-120.734918 °	-120.734918 °	
DWR ID	19900				

Comment Code

Inspector Comment

DS_ID:19900
 FS_ID:71174
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS pipe end surrounded by barbed wire, inspection was limited. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 2.65). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.64). DWR As-Built Specification No. 63-25, Sheet No. 12, 9 May 1963, (HLM 2.64)].
 FS Date: 6/2/2021

Photo 1 of 3 : UCIP_FA_2022_71174_99502.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.63	Rating **	M	Issue No.	39 (cont)
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.254832 °	37.254832 °
				-120.734918 °	-120.734918 °
DWR ID	19900				

Photo 2 of 3 : UCIP_FA_2022_71174_99505.jpg



WS view: Slope, headwall, and flapgate at toe.

LM Start	2.63	Rating **	M	Issue No.	39 (cont)
LM End	2.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71174_99506.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.251883 °	37.251883 °	
				-120.728264 °	-120.728264 °	
DWR ID	19901					
Comment Code						
Inspector Comment						
DS_ID:19901 FS_ID:71175 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Some sediment buildup in the inlet of the pipe on the LS, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/15/2014 Some sediment buildup at landward toe and inside pipe--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.09). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.09). DWR As-Built Specification No. 63-25, Sheet No. 13, 9 May 1963, (HLM 3.09)]. FS Date: 6/2/2021						

LM Start	3.09	Rating **	M	Issue No.	40 (cont)
LM End	3.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71175_99514.jpg



LS view: Close up of pipe inlet at toe.

Photo 2 of 3 : UCIP_FA_2022_71175_99508.jpg



WS view: Slope, headwall, and flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility			37.251883 °	37.251883 °
				-120.728264 °	-120.728264 °
DWR ID	19901				

Photo 3 of 3 : UCIP_FA_2022_71175_99509.jpg



WS view: Close up of flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			M *	
Date of Inspection	4/6/2022 - 4/6/2022		9/21/2022 - 9/21/2022	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	29
LM End	0.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.256092 °	37.256092 °
				-120.767873 °	-120.767873 °
DWR ID	19903				
Comment Code					
Inspector Comment					
DS_ID:19903 FS_ID:71177 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.23). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.23). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.23)]. FS Date: 6/2/2021					
LM Start	0.23	Rating **	M	Issue No.	29 (cont)
LM End	0.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71177_99546.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_71177_99547.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	29 (cont)
LM End	0.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.256092 °	37.256092 °
				-120.767873 °	-120.767873 °
DWR ID	19903				

Photo 3 of 3 : UCIP_FA_2022_71177_99548.jpg



LS view: Close up of pipe inlet at toe.

LM Start	0.49	Rating **	U	Issue No.	16
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257458 °	37.257458 °
				-120.763682 °	-120.763682 °
DWR ID	DWR_NA0010_08_f_2022_16				
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_2022_NA0010_126_16_20221012_00045.jpg



View of animal holes with large quantities of material displaced. (Fall 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.57	Rating **	M	Issue No.	30
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.258604 °	37.258604 °
				-120.763588 °	-120.763588 °
DWR ID	19904				
Comment Code					
Inspector Comment					
DS_ID:19904 FS_ID:71178 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.55). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.57). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.57)]. FS Date: 6/2/2021					

Photo 1 of 3 : UCIP_FA_2022_71178_99553.jpg



Levee crown looking downstream.

LM Start	0.57	Rating **	M	Issue No.	30 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71178_99554.jpg



LS view: Headwall visible at toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.57	Rating **	M	Issue No.	30 (cont)
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.258604 °	37.258604 °	
			-120.763588 °	-120.763588 °	
DWR ID	19904				

Photo 3 of 3 : UCIP_FA_2022_71178_99555.jpg



LS view: Slope and headwall at toe.

LM Start	0.72	Rating **	M	Issue No.	31
LM End	0.72	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.260306 °	37.260306 °	
			-120.762127 °	-120.762127 °	
DWR ID	19905				

Comment Code

Inspector Comment

DS_ID:19905
 FS_ID:71179
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.72). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.72)].
 FS Date: 6/2/2021

Photo 1 of 3 : UCIP_FA_2022_71179_99560.jpg



Levee crown looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.72	Rating **	M	Issue No.	31 (cont)
LM End	0.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260306 °	37.260306 °
				-120.762127 °	-120.762127 °
DWR ID	19905				

Photo 2 of 3 : UCIP_FA_2022_71179_99561.jpg



LS view: Toe from crown.

LM Start	0.72	Rating **	M	Issue No.	31 (cont)
LM End	0.72	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71179_99562.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	32	
LM End	0.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.262384 °	37.262384 °	
				-120.760528 °	-120.760528 °	
DWR ID	19832					
Comment Code						
Inspector Comment						
DS_ID:19832 FS_ID:71180 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Some sediment buildup at inlet on LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.88). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.89). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 0.89)]. FS Date: 6/2/2021						

Photo 1 of 3 : UCIP_FA_2022_71180_99567.jpg



Levee crown looking downstream.

LM Start	0.90	Rating **	M	Issue No.	32 (cont)
LM End	0.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71180_99568.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	32 (cont)
LM End	0.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262384 °	37.262384 °
				-120.760528 °	-120.760528 °
DWR ID	19832				

Photo 3 of 3 : UCIP_FA_2022_71180_99569.jpg



LS view: Slope and headwall at toe.

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	Erosion / Livestock			37.263179 °	37.263179 °
				-120.755444 °	-120.755444 °
DWR ID	DWR_NA0010_08_f_2019_28				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_126_28_20220822_00008.jpg

View of slope damage on the landside of the levee 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	33	
LM End	1.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.263188 °		37.263188 °
				-120.755399 °		-120.755399 °
DWR ID	19833					
Comment Code						
Inspector Comment						
DS_ID:19833 FS_ID:71181 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. Some vegetation in LS pipe inlet, recommend clearing out. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Debris blocking landward headwall--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.20). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.21). DWR As-Built Specification No. 63-25, Sheet No. 11, 9 May 1963, (HLM 1.21)]. FS Date: 6/2/2021						

Photo 1 of 1 : UCIP_FA_2022_71181_99576.jpg



LS view: Close up of pipe inlet at toe, some vegetation inside pipe.

LM Start	1.32	Rating **	A/W	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

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	1.38	Rating **	A/W	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					

No Photos

LM Start	1.38	Rating **	M	Issue No.	34
LM End	1.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263194 °	37.263194 °
				-120.752299 °	-120.752299 °
DWR ID	19834				
Comment Code					
Inspector Comment					
DS_ID:19834 FS_ID:71182 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. Vegetation sticking out of WS flapgate, recommend removal. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. (W. Wylie -DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 1.37). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.38). DWR As-Built Specification No. 63-25, Sheet No. 12, 9 May 1963, (HLM 1.38)]. FS Date: 6/2/2021					

Photo 1 of 1 : UCIP_FA_2022_71182_99580.jpg



WS view: Close up of flapgate, vegetation coming out of it.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	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	Erosion / Livestock			37.260673 °	37.260673 °
				-120.745290 °	-120.745290 °
DWR ID	DWR_NA0010_08_f _ 2019_26				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_126_26_20220822_00007.jpg



Looking downstream at erosion spot on the landside slope. (Spring 2022)

LM Start	2.05	Rating **	M	Issue No.	35	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.258220 °	37.258220 °	
				-120.742868 °	-120.742868 °	
DWR ID	19835					
Comment Code						
Inspector Comment						
DS_ID:19835 FS_ID:71183 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. LS pipe end not visible at all, appears to be buried or removed. Need to contact owner to determine status of pipe. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.04). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.05). DWR As-Built Specification No. 63-25, Sheet No. 12, 9 May 1963, (HLM 2.05)]. FS Date: 6/2/2021						

Photo 1 of 3 : UCIP_FA_2022_71183_99586.jpg



Levee crown looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	35 (cont)
LM End	2.05	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.258220 °	37.258220 °	
			-120.742868 °	-120.742868 °	
DWR ID	19835				

Photo 2 of 3 : UCIP_FA_2022_71183_99587.jpg



LS view: Toe from crown, no pipe visible.

LM Start	2.05	Rating **	M	Issue No.	35 (cont)
LM End	2.05	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71183_99588.jpg



LS view: Slope from toe, no pipe visible.

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					

Photo 1 of 1 : FA_2022_NA0010_126_25_20220822_00006.jpg



Looking uphill at rodent holes in the landside slope. (Spring 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	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	Erosion / Livestock			37.258076 °	37.258076 °
				-120.742439 °	-120.742439 °
DWR ID	DWR_NA0010_08_f _ 2018_22				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion from livestock has been repaired. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_126_22_20220822_00005.jpg



Repaired slope damage should be monitored for settlement. (Fall 2021)

LM Start	2.12	Rating **	M	Issue No.	36	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.257800 °	37.257800 °	
				-120.741604 °	-120.741604 °	
DWR ID	19836					
Comment Code						
Inspector Comment						
DS_ID:19836 FS_ID:71184 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. New 6 inch plastic riser with flowmeter and 24 inch metal pipe underground off the LS toe, directly opposite of the LS pipe inlet of this DSID. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 Sediment buildup in pipe visible from landward side. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 2.12). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.12). DWR As-Built Specification No. 63-25, Sheet No. 12, 9 May 1963, (HLM 2.12)]. FS Date: 6/2/2021						

Photo 1 of 3 : UCIP_FA_2022_71184_99597.jpg



Levee crown looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.12	Rating **	M	Issue No.	36 (cont)
LM End	2.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.257800 °	37.257800 °
				-120.741604 °	-120.741604 °
DWR ID	19836				

Photo 2 of 3 : UCIP_FA_2022_71184_99599.jpg



LS view: Toe from crown.

LM Start	2.12	Rating **	M	Issue No.	36 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_71184_99600.jpg



LS view: Slope and headwall at toe.

LM Start	2.13	Rating **	M	Issue No.	24
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257758 °	37.257758 °
				-120.741483 °	-120.741483 °
DWR ID	DWR_NA0010_08_f_2020_24				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.29	Rating **	M	Issue No.	18
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256251 °	37.254767 °
				-120.739280 °	-120.737772 °
DWR ID	DWR_NA0010_08_s_2021_18				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_126_18_20220822_00003.jpg



View of rodent holes in the landside slope. (Spring 2021)

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	Erosion / Livestock			37.252503 °	37.252503 °
				-120.733282 °	-120.733282 °
DWR ID	DWR_NA0010_08_f _ 2018_20				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion from livestock has been repaired. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_126_20_20220822_00004.jpg



View of repaired slope damage. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.77	Rating **	M	Issue No.	37
LM End	2.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252228 °	37.252228 °
				-120.732890 °	-120.732890 °
DWR ID	19837				
Comment Code					
Inspector Comment					
DS_ID:19837 FS_ID:71185 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 2.77). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.77). DWR As-Built Specification No. 63-25, Sheet No. 13, 9 May 1963, (HLM 2.77)]. FS Date: 6/2/2021					

LM Start	2.77	Rating **	M	Issue No.	37 (cont)
LM End	2.77	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71185_99604.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_71185_99605.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	2.77	Rating **	M	Issue No.	37 (cont)
LM End	2.77	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.252228 °	37.252228 °	
			-120.732890 °	-120.732890 °	
DWR ID	19837				

Photo 3 of 3 : UCIP_FA_2022_71185_99606.jpg



LS view: Slope and headwall at toe.

LM Start	3.06	Rating **	M	Issue No.	38
LM End	3.06	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.250864 °	37.250864 °	
			-120.728151 °	-120.728151 °	
DWR ID	19838				

Comment Code

Inspector Comment

DS_ID:19838
 FS_ID:71186
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/2/2021 Record remains Non-Urgent. LS pipe inlet has some sediment buildup, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 3.06). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.06). DWR As-Built Specification No. 63-25, Sheet No. 13, 9 May 1963, (HLM 3.06)].
 FS Date: 6/2/2021

Photo 1 of 1 : UCIP_FA_2022_71186_99610.jpg



LS view: Close up of pipe inlet at toe, some sediment 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	3.24	Rating **	M	Issue No.	39
LM End	3.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252230 °	37.252230 °
				-120.725504 °	-120.725504 °
DWR ID	19839				
Comment Code					
Inspector Comment					
DS_ID:19839 FS_ID:71187 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.23). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.24). DWR As-Built Specification No. 63-25, Sheet No. 13, 9 May 1963, (HLM 3.24)]. FS Date: 6/2/2021					

Photo 1 of 3 : UCIP_FA_2022_71187_99618.jpg



Levee crown looking downstream

LM Start	3.24	Rating **	M	Issue No.	39 (cont)
LM End	3.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_71187_99619.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	3.24	Rating **	M	Issue No.	39 (cont)
LM End	3.24	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.252230 °	37.252230 °	
			-120.725504 °	-120.725504 °	
DWR ID	19839				

Photo 3 of 3 : UCIP_FA_2022_71187_99620.jpg



LS view: Slope and headwall at toe.

LM Start	3.28	Rating **	M	Issue No.	17
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.252537 °	37.252537 °
				-120.724795 °	-120.724795 °
DWR ID	DWR_NA0010_08_f _ 2021_17				
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_2022_NA0010_126_17_20220822_00002.jpg



View of animal burrows in the landside slope. (Fall 2021)

LM Start	3.40	Rating **	A/W	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. Continue to monitor in case condition worsens.					

Photo 1 of 1 : FA_2022_NA0010_126_3_20220822_00001.jpg



Looking at typical view of rodent holes on landward slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	40	
LM End	3.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.253151 °	37.253151 °	
				-120.722182 °	-120.722182 °	
DWR ID	19840					
Comment Code						
Inspector Comment						
DS_ID:19840 FS_ID:71188 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/2/2021 Record remains Non-Urgent. LS pipe inlet blocked by barbed wire and both ends blocked by water, so limited inspection was done. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/16/2014 No access available on landward side. Need to confirm status of crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 13.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.43). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.43). DWR As-Built Specification No. 63-25, Sheet No. 13, 9 May 1963, (HLM 3.43)]. FS Date: 6/2/2021						

LM Start	3.43	Rating **	M	Issue No.	40 (cont)
LM End	3.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_71188_99624.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_71188_99625.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	09/21/2022 09/21/2022	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	40 (cont)
LM End	3.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253151 °	37.253151 °
				-120.722182 °	-120.722182 °
DWR ID	19840				

Photo 3 of 3 : UCIP_FA_2022_71188_99626.jpg



LS view: Slope from toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/6/2022 - 4/6/2022		9/21/2022 - 9/21/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.22	Rating **	A	Issue No.	5
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219954 °	37.219954 °
				-120.709638 °	-120.709638 °
DWR ID	DWR_NA0010_09_f _ 2022_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0010_127_5_20221012_00003.jpg



View of vegetation management on the waterside slope. (Fall 2022)

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	DWR UCIP LMA Responsibility			37.220416 °	37.220416 °	
				-120.705248 °	-120.705248 °	
DWR ID	19841					
Comment Code						
Inspector Comment						
DS_ID:19841 FS_ID:73203 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. Limited inspection of landside (LS) and WS due to water and mud. LS CMP riser has missing lid. WS outlet pipe edges are warped. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 18.7 feet below the crown. Slide gate in a 36-inch CMP riser unit on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.48). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.47). DWR As-Built Specification No. 63-25, Sheet No. 14, 9 May 1963, (HLM 0.47)]. FS Date: 6/9/2021 2:41:00 PM						

Photo 1 of 1 : UCIP_FA_2022_73203_103172.jpg



WS view: Close-up of slide gate in CMP riser on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.48	Rating **	M	Issue No.	6
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.220489 °	37.220489 °
				-120.705021 °	-120.705021 °
DWR ID	DWR_NA0010_09_s_2021_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_127_6_20220822_00002.jpg



View of rodent burrows in the waterside slope. (Spring 2021)

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	DWR UCIP LMA Responsibility			37.219874 °		37.219874 °
				-120.701438 °		-120.701438 °
DWR ID	19842					
Comment Code						
Inspector Comment						
DS_ID:19842 FS_ID:73202 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/22/2014 Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 0.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.70). DWR As-Built Specification No. 63-25, Sheet No. 14, 9 May 1963, (HLM 0.70)]. FS Date: 6/9/2021						

Photo 1 of 3 : UCIP_FA_2022_73202_103232.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	09/21/2022 09/21/2022	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	DWR UCIP LMA Responsibility			37.219874 °	37.219874 °
				-120.701438 °	-120.701438 °
DWR ID	19842				

Photo 2 of 3 : UCIP_FA_2022_73202_103233.jpg



LS view: Slope from crown.

LM Start	0.69	Rating **	M	Issue No.	8 (cont)
LM End	0.69	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_73202_103235.jpg



LS view: Concrete headwall and inlet pipe at toe.

LM Start	0.86	Rating **	C	Issue No.	4
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.220041 °	37.220041 °
				-120.698425 °	-120.698425 °
DWR ID	DWR_NA0010_09_f_2017_4				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.87	Rating **	M	Issue No.	9
LM End	0.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.220051 °	37.220051 °
				-120.698374 °	-120.698374 °
DWR ID	19843				

Comment Code

Inspector Comment

DS_ID:19843
FS_ID:73200
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 06/09/2021 The record has been upgraded from No Action Needed to Non-Urgent. No cover or handle on CMP riser on WS slope. Water in riser shows evidence that flapgate is open. Outlet pipe on WS toe not found. Dense vegetation and sediment limits inspectors ability to identify signs of inlet pipe condition on LS toe recommend removal of vegetation and sediment. LS inlet pipe appears to have slight warping around edges. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn.
(P.Espinoza – GEI)
FIELD_STRUCT_DESC: [Crane Irrigation Structure] 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.7 feet below the crown. Two slide gates in a 48-inch CMP riser unit 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, (HLM 0.87). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.87). DWR As-Built Specification No. 63-25, Sheet No. 14, 9 May 1963, (HLM 0.87)].
FS Date: 6/9/2021 4:30:00 PM

LM Start	0.87	Rating **	M	Issue No.	9 (cont)
LM End	0.87	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73200_103189.jpg



LS view: concrete headwall and inlet at LS toe.

Photo 2 of 2 : UCIP_FA_2022_73200_103184.jpg



WS view: CMP riser with slide gate on 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**

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	4/6/2022 - 4/6/2022		9/21/2022 - 9/21/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	4
LM End	0.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.219116 °	37.219116 °
				-120.706652 °	-120.706652 °
DWR ID	19845				
Comment Code					
Inspector Comment					
DS_ID:19845 FS_ID:73210 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. No cover on CMP riser on WS slope, creating a safety hazard. Limited inspection of inlet pipe on LS and outlet pipe on WS due to elevated water levels around the headwalls and inlet/outlets, limiting the ability to inspect pipes at a close proximity. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/22/2014 Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 19.6 feet below the crown. Slide gate in a 48-inch CMP riser unit on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.31). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.31). DWR As-Built Specification No. 63-25, Sheet No. 14, 9 May 1963, (HLM 0.31)]. FS Date: 6/9/2021 11:34:00 AM					

Photo 1 of 1 : UCIP_FA_2022_73210_103402.jpg



WS view: Closeup of CMP riser with slidegate on slope.

LM Start	0.33	Rating **	M	Issue No.	3
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219235 °	37.219223 °
				-120.706138 °	-120.698776 °
DWR ID	DWR_NA0010_10_f_2022_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_128_3_20221012_00002.jpg



View of vegetation on the waterside slope looking downstream. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	09/21/2022 09/21/2022	Corey Fujitani

LM Start	0.51	Rating **	M	Issue No.	2
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.219268 °	37.219268 °
				-120.703046 °	-120.703046 °
DWR ID	DWR_NA0010_10_f_2021_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_2022_NA0010_128_2_20220822_00001.jpg



View of squirrel holes on the landside slope. (Fall 2021)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/5/2022 - 4/5/2022		9/20/2022 - 9/20/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.01	Rating **	A	Issue No.	18
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202748 °	37.202748 °
				-120.754985 °	-120.754985 °
DWR ID	DWR_NA0010_11_f _ 2022_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0010_129_18_20221012_00009.jpg



Vegetation management on the waterside slope. (Fall 2022)

LM Start	0.16	Rating **	M	Issue No.	10
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.202730 °	37.202730 °
				-120.752270 °	-120.752270 °
DWR ID	DWR_NA0010_11_f _ 2018_10				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is damage to the landside slope and shoulder.					

Photo 1 of 1 : FA_2022_NA0010_129_10_20220822_00002.jpg



View of livestock damage to the landside slope. (Fall 2021)

LM Start	0.21	Rating **	A/W	Issue No.	11
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.202731 °	37.202731 °
				-120.751389 °	-120.751389 °
DWR ID	DWR_NA0010_11_f _ 2018_11				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material has been placed on the levee damage. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_129_11_20220822_00003.jpg



View of slope damage on landside. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.21	Rating **	A/W	Issue No.	13
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.202731 °	37.202731 °
				-120.751389 °	-120.751389 °
DWR ID	DWR_NA0010_11_s_2020_13				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material has been placed on the levee damage. Monitor for settlement.					

Photo 1 of 1 : FA_2022_NA0010_129_13_20220822_00006.jpg



View of damage on waterside shoulder and slope. (Spring 2022)

LM Start	0.42	Rating **	M	Issue No.	19	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202754 °		37.202754 °
				-120.747689 °		-120.747689 °
DWR ID	19846					
Comment Code						
Inspector Comment						
DS_ID:19846 FS_ID:73267 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. WS pipe end either completely buried under dirt or has been removed. Only riser visible on WS slope, pipe end not visible at all. Recommend contacting owner to determine status of pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn- GEI) 04/18/201 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.0 feet below the crown. Slide gate in a CMP riser unit on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.43). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.42). DWR As-Built Specification No. 59-01, Sheet No. 61, 10 December 1958, (HLM 0.42)]. FS Date: 6/8/2021						

Photo 1 of 3 : UCIP_FA_2022_73267_100411.jpg



Levee crown looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	19 (cont)
LM End	0.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202754 °	37.202754 °
				-120.747689 °	-120.747689 °
DWR ID	19846				

Photo 2 of 3 : UCIP_FA_2022_73267_100408.jpg



LS view: Toe from crown.

LM Start	0.42	Rating **	M	Issue No.	19 (cont)
LM End	0.42	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_73267_100409.jpg



LS view: Slope and headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	20
LM End	0.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202751 °	37.202751 °
				-120.743474 °	-120.743474 °
DWR ID	19847				

Comment Code

Inspector Comment

DS_ID:19847
FS_ID:73268
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn - GEI) 04/18/201
Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.65). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.65). DWR As-Built Specification No. 59-01, Sheet No. 61, 10 December 1958, (HLM 0.65)].
FS Date: 6/8/2021

LM Start	0.65	Rating **	M	Issue No.	20 (cont)
LM End	0.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_73268_100419.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_73268_100416.jpg



LS view: Headwall visible at toe from 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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Lower San Joaquin Levee District

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	0.84	Rating **	M	Issue No.	21 (cont)
LM End	0.84	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202745 °	37.202745 °	
			-120.739935 °	-120.739935 °	
DWR ID	19848				

Photo 2 of 3 : UCIP_FA_2022_73269_100429.jpg



LS view: Toe from crown.

LM Start	0.84	Rating **	M	Issue No.	21 (cont)
LM End	0.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_73269_100423.jpg



LS view: Headwall and slope from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.13	Rating **	M	Issue No.	22
LM End	1.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202748 °	37.202748 °
				-120.734796 °	-120.734796 °
DWR ID	19849				
Comment Code					
Inspector Comment					
DS_ID:19849 FS_ID:73270 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Dense tumbleweeds blocking both LS and WS ends, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn - GEI) 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.13). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.13). DWR As-Built Specification No. 59-01, Sheet No. 61, 10 December 1958, (HLM 1.13)]. FS Date: 6/8/2021					

LM Start	1.13	Rating **	M	Issue No.	22 (cont)
LM End	1.13	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73270_100436.jpg



LS view: Headwall and slope at toe.

Photo 2 of 2 : UCIP_FA_2022_73270_100433.jpg



WS view: Flapgate and slope from toe. Dense tumbleweeds at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

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	Erosion / Livestock			37.202748 °	37.202748 °
				-120.728182 °	-120.728182 °
DWR ID	DWR_NA0010_11_f_2017_9				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_129_9_20220822_00001.jpg



View of livestock trail on the landside slope. (Fall 2020)

LM Start	1.49	Rating **	M	Issue No.	23	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202753 °		37.202753 °
				-120.728133 °		-120.728133 °
DWR ID	19850					
Comment Code						
Inspector Comment						
DS_ID:19850 FS_ID:73277 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Sediment buildup in both WS and LS pipe inlet and outlet, recommend clearing out. WS pipe edges are slightly warped. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn - GEI) 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe (CMP) through the levee, 16.3 feet below the crown. Slide gate in a pipe riser unit on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.50). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.50). DWR As-Built Specification No. 59-01, Sheet No. 62, 10 December 1958, (HLM 1.50)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_73277_100440.jpg



LS view: Close up of pipe inlet with sediment buildup and warped edges at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.77	Rating **	C	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

LM Start	1.98	Rating **	M	Issue No.	24	
LM End	1.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.202740 °	37.202740 °	
				-120.719247 °	-120.719247 °	
DWR ID	19851					
Comment Code						
Inspector Comment						
DS_ID:19851 FS_ID:73272 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Vegetation on both WS and LS ends, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn - GEI) 04/18/201 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.99). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.99). DWR As-Built Specification No. 59-01, Sheet No. 62, 10 December 1958, (HLM 1.99)]. FS Date: 6/8/2021						

Photo 1 of 2 : UCIP_FA_2022_73272_100446.jpg



LS view: Close up of pipe inlet at toe, 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	24 (cont)
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202740 °	37.202740 °	
			-120.719247 °	-120.719247 °	
DWR ID	19851				

Photo 2 of 2 : UCIP_FA_2022_73272_100450.jpg



WS view: Close up of flapgate at toe, covered by vegetation.

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	Erosion / Livestock			37.202730 °	37.202730 °
				-120.713368 °	-120.713368 °
DWR ID	DWR_NA0010_11_f_2019_17				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_129_17_20220822_00008.jpg



Damage to the landside slope from livestock traffic. (Fall 2019)

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	Erosion / Livestock			37.202712 °	37.202712 °
				-120.710633 °	-120.710633 °
DWR ID	DWR_NA0010_11_f_2018_12				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage is from livestock to both landside and waterside slopes but the integrity of the levee is not compromised. Continue to monitor.					

Photo 1 of 2 : FA_2022_NA0010_129_12_20220822_00004.jpg



View of the landside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	2.46	Rating **	A/W	Issue No.	12 (cont)
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.202712 °	37.202712 °
				-120.710633 °	-120.710633 °
DWR ID	DWR_NA0010_11_f_2018_12				

Photo 2 of 2 : FA_2022_NA0010_129_12_20220822_00005.jpg



View of the waterside slope. (Spring 2022)

LM Start	2.52	Rating **	A/W	Issue No.	16
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.202738 °	37.202738 °
				-120.709455 °	-120.709455 °
DWR ID	DWR_NA0010_11_s_2022_16				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_129_16_20220822_00007.jpg



Looking downhill and damage to the landside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	09/20/2022 09/20/2022	Corey Fujitani

LM Start	3.04	Rating **	U	Issue No.	25
LM End	3.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202494 °	37.202494 °
				-120.700153 °	-120.700153 °
DWR ID	19852				
Comment Code					
Inspector Comment					
DS_ID:19852 FS_ID:73273 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/8/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Pipe has since been cleared out of sediment since previous inspection. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn- GE)04/18/201 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 15.0 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.04). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.04). DWR As-Built Specification No. 59-01, Sheet No. 63, 10 December 1958, (HLM 3.04)]. FS Date: 6/8/2021					

LM Start	3.04	Rating **	U	Issue No.	25 (cont)
LM End	3.04	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73273_100451.jpg



LS view: Close up of pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2022_73273_100455.jpg



WS view: Close up of flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/5/2022 - 4/5/2022		9/20/2022 - 9/20/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.200934 °	37.200934 °
				-120.747996 °	-120.747996 °
DWR ID	19855				

Comment Code

Inspector Comment

DS_ID:19855
FS_ID:73304
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.41). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.39). DWR As-Built Specification No. 59-01, Sheet No. 61, 10 December 1958, (HLM 0.39)].
FS Date: 6/8/2021

LM Start	0.40	Rating **	M	Issue No.	15 (cont)
LM End	0.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_73304_100627.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_73304_100630.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.200934 °	37.200934 °
				-120.747996 °	-120.747996 °
DWR ID	19855				

Photo 3 of 3 : UCIP_FA_2022_73304_100625.jpg



LS view: Slope from toe.

LM Start	1.05	Rating **	M	Issue No.	12
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200910 °	37.200910 °
				-120.736271 °	-120.736271 °
DWR ID	DWR_NA0010_12_f_2022_12				
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_2022_NA0010_130_12_20221012_00003.jpg



View of rodent burrows on the waterside slope. (Fall 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.200922 °	37.200922 °	
				-120.736012 °	-120.736012 °	
DWR ID	19856					
Comment Code						
Inspector Comment						
DS_ID:19856 FS_ID:73305 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Some vegetation growth starting over WS flapgate and LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.06). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.06). DWR As-Built Specification No. 59-01, Sheet No. 61, 10 December 1958, (HLM 1.06)]. FS Date: 6/8/2021						

LM Start	1.06	Rating **	M	Issue No.	16 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73305_100631.jpg



LS view: Slope and headwall at toe.

Photo 2 of 2 : UCIP_FA_2022_73305_100636.jpg



WS view: Close up of flapgate at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.06	Rating **	A/W	Issue No.	14
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.200924 °	37.200923 °
				-120.735998 °	-120.735747 °
DWR ID	DWR_NA0010_12_f_2018_14				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage along slope is caused by livestock cutting into the 2:1 slope. Continue to monitor.					

No Photos

LM Start	1.15	Rating **	M	Issue No.	10
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200935 °	37.200935 °
				-120.734471 °	-120.734471 °
DWR ID	DWR_NA0010_12_s_2022_10				
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_2022_NA0010_130_10_20220822_00001.jpg



View of rodent hole with a large quantity of material removed. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.200919 °	37.200919 °
				-120.732234 °	-120.732234 °
DWR ID	19857				

Comment Code

Inspector Comment

DS_ID:19857
FS_ID:73306
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Not Found
UCIP Comments: 06/8/2021 The record remains Non-Urgent. Pipe not found during visual inspection due to dense vegetation on both WS and LS ends. LS end was also blocked off by barbed wire which limited inspection. Recommend removing vegetation in order to assess condition of pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)

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. (O. Magana - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 17.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.28). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.27). DWR As-Built Specification No. 59-01, Sheet No. 61, 10 December 1958, (HLM 1.27)].

FS Date: 6/8/2021

LM Start	1.27	Rating **	M	Issue No.	17 (cont)
LM End	1.27	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73306_100638.jpg



LS view: Dense vegetation and barbed wire at the toe, no pipe visible.

Photo 2 of 2 : UCIP_FA_2022_73306_100641.jpg



WS view: Dense vegetation covering the water at the toe, no pipe visible.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	Corey Fujitani

LM Start	1.43	Rating **	M	Issue No.	11
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200915 °	37.200913 °
				-120.729332 °	-120.725824 °
DWR ID	DWR_NA0010_12_f_2022_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_130_11_20221012_00002.jpg



Looking downstream at vegetation along the landside slope. (Fall 2022)

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	DWR UCIP LMA Responsibility			37.200913 °	37.200913 °	
				-120.727496 °	-120.727496 °	
DWR ID	19858					
Comment Code						
Inspector Comment						
DS_ID:19858 FS_ID:73307 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Dense vegetation over LS pipe inlet, headwall barely visible. Recommend removal of vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.53). DWR As-Built Specification No. 59-01, Sheet No. 62, 10 December 1958, (HLM 1.53)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_73307_100645.jpg



LS view: Headwall barely visible at toe due to 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.200908 °	37.200908 °	
				-120.716118 °	-120.716118 °	
DWR ID	19859					
Comment Code						
Inspector Comment						
DS_ID:19859 FS_ID:73308 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. LS pipe inlet inaccessible due to barbed wire, just the top of the headwall visible. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.16). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.16). DWR As-Built Specification No. 59-01, Sheet No. 62, 10 December 1958, (HLM 2.16)]. FS Date: 6/8/2021						

LM Start	2.16	Rating **	M	Issue No.	19 (cont)
LM End	2.16	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_73308_100655.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_73308_100659.jpg



LS view: Toe from 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility		37.200908 °	37.200908 °	
			-120.716118 °	-120.716118 °	
DWR ID	19859				

Photo 3 of 3 : UCIP_FA_2022_73308_100653.jpg



LS view: Slope from toe.

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	DWR UCIP LMA Responsibility		37.200906 °	37.200906 °	
			-120.706316 °	-120.706316 °	
DWR ID	19860				

Comment Code

Inspector Comment

DS_ID:19860
 FS_ID:73309
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. LS pipe inlet covered with vegetation, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.70). DWR As-Built Specification No. 59-01, Sheet No. 62, 10 December 1958, (HLM 2.70)].
 FS Date: 6/8/2021

Photo 1 of 1 : UCIP_FA_2022_73309_100661.jpg



LS view: Close up of pipe inlet covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	09/20/2022 09/20/2022	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	DWR UCIP LMA Responsibility			37.200931 °	37.200931 °	
				-120.700908 °	-120.700908 °	
DWR ID	19861					
Comment Code						
Inspector Comment						
DS_ID:19861 FS_ID:73310 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. LS pipe inlet inaccessible due to barbed wire and WS flapgate surrounded by water, limited inspection for both. LS pipe inlet also has dense vegetation covering it, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 11/09/2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. (O. Magana - DWR UCIP)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. (O. Magana -DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 2.0 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 3.00). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 3.00). DWR As-Built Specification No. 59-01, Sheet No. 63, 10 December 1958, (HLM 3.00)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_73310_100669.jpg



LS view: Top of headwall visible at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/7/2022 - 4/7/2022		9/22/2022 - 9/22/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	Corey Fujitani

LM Start	0.01	Rating **	A/W	Issue No.	8
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.033833 °	37.033833 °
				-120.442061 °	-120.442061 °
DWR ID	DWR_NA0010_13_f_2022_8				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is approximately 90 ft from toe. At the worst point there is a 20 ft vertical wall of erosion. LMA reports erosion is being caused by subsidence in the area.					

No Photos

LM Start	0.48	Rating **	M	Issue No.	9
LM End	0.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.040343 °	37.040343 °
				-120.439316 °	-120.439316 °
DWR ID	DWR_NA0010_13_f_2021_9				
Comment Code					
RA : Ramp					
Inspector Comment					
Vehicle traffic at unauthorized ramp is beginning to erode the levee shoulder.					

Photo 1 of 1 : FA_2022_NA0010_131_9_20220822_00004.jpg



Unauthorized ramp constructed on the landside slope. (Spring 2022)

LM Start	0.48	Rating **	M	Issue No.	10
LM End	0.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.040347 °	37.040347 °
				-120.439312 °	-120.439312 °
DWR ID	DWR_NA0010_13_f_2021_10				
Comment Code					
RA : Ramp					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_131_10_20220822_00005.jpg



View of unauthorized ramp on the waterside slope. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	Corey Fujitani

LM Start	0.56	Rating **	C	Issue No.	3
LM End	0.70	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.041294 °	37.042745 °
				-120.438570 °	-120.436775 °
DWR ID	DWR_NA0010_13_s_2021_3				
Comment Code					
V3 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.72	Rating **	M	Issue No.	12
LM End	0.72	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.042891 °	37.042891 °
				-120.436577 °	-120.436577 °
DWR ID	DWR_NA0010_13_s_2022_12				
Comment Code					
RA : Ramp					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_131_12_20220822_00006.jpg



Unauthorized ramp constructed on the waterside slope. (Spring 2022)

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. Access ramp on the landside is shown in as-built drawings.					

Photo 1 of 1 : FA_2022_NA0010_131_5_20220822_00002.jpg



Unauthorized ramp constructed on the waterside slope. (Spring 2021)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	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					
The sand dam referenced in this issue is an unauthorized construction in the channel by the landowner. Appears to be in progress of being removed.					

Photo 1 of 2 : FA_2022_NA0010_131_6_20221012_00008.jpg



Upstream view of sand dam being removed. (Fall 2022)

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2022_NA0010_131_6_20220822_00003.jpg



Downstream view of sand dam constructed upstream of the Ash Slough Drop Structure 4. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.045872 °	37.045872 °	
				-120.430070 °	-120.430070 °	
DWR ID	19727					
Comment Code						
Inspector Comment						
DS_ID:19727 FS_ID:73336 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. Appears abandoned due to actuator missing on slidegate on the WS shoulder and if abandoned, should be done properly. Limited inspection of inlet and outlet due to standing water over concrete platforms surrounding pipe inlet/outlet, creating inability to inspect closely. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 1 of 2: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.3 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 1.14). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.14). DWR As-Built Specification No. 64-01, Sheet No. 13, 6 November 1963, (HLM 1.14)]. FS Date: 6/23/2021 1:08:00 PM						

LM Start	1.14	Rating **	M	Issue No.	13 (cont)
LM End	1.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_73336_103411.jpg



View of levee crown.

Photo 2 of 3 : UCIP_FA_2022_73336_103418.jpg



LS view: concrete inlet 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	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	DWR UCIP LMA Responsibility			37.045872 °	37.045872 °
				-120.430070 °	-120.430070 °
DWR ID	19727				

Photo 3 of 3 : UCIP_FA_2022_73336_103419.jpg



LS view: close up of concrete inlet pipe on LS 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	14	
LM End	1.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.045870 °	37.045870 °	
				-120.430080 °	-120.430080 °	
DWR ID	19908					
Comment Code						
Inspector Comment						
DS_ID:19908 FS_ID:73337 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No lid on riser at WS shoulder, causing safety hazard. Limited inspection of both inlet and outlet due to standing water over concrete pads around the pipe inlet/out. Outlet also has metal grate over it, limiting ability to inspect pipe closely. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)03/27/2014 No lid on riser at WS shoulder could be safety issue. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 2 of 2: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 12.3 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 1.14). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.14). DWR As-Built Specification No. 64-01, Sheet No. 13, 6 November 1963, (HLM 1.14)]. FS Date: 6/23/2021 2:23:00 PM						

Photo 1 of 1 : UCIP_FA_2022_73337_103428.jpg



WS view: close up of CMP riser.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	7
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.046142 °	37.046229 °
				-120.428848 °	-120.428448 °
DWR ID	DWR_NA0010_13_f_2022_7				
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_2022_NA0010_131_7_20221012_00009.jpg



Several rodent burrows observed in this section. (Fall 2022)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/7/2022 - 4/7/2022		9/22/2022 - 9/22/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	09/22/2022 09/22/2022	Corey Fujitani

LM Start	0.25	Rating **	A/W	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_2022_NA0010_132_5_20220822_00002.jpg



Looking at the landside slope.

LM Start	0.86	Rating **	A/W	Issue No.	4
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.043183 °	37.043183 °
				-120.434323 °	-120.434323 °
DWR ID	DWR_NA0010_14_f_2018_4				
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 slope but the integrity of the levee is not compromised. Continue to monitor.					

No Photos

LM Start	1.12	Rating **	A	Issue No.	6
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.044805 °	37.044805 °
				-120.430150 °	-120.430150 °
DWR ID	DWR_NA0010_14_f_2022_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0010_132_6_20221012_00004.jpg



View of the vegetation management on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	09/22/2022 09/22/2022	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	DWR UCIP Field Study			37.044906 °	37.044906 °
				-120.429695 °	-120.429695 °
DWR ID	19909				
Comment Code					
Inspector Comment					
DS_ID:19909 FS_ID:73338 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/23/2021 The record remains Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. CMP riser on WS slope is missing lid, causing a safety concern. Limited inspection of both inlet and outlet due to elevated standing water in concrete boxes surrounding inlet/outlet, limiting closeup inspection of pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 36-inch corrugated metal gravity irrigation pipe (CMP) through the levee, 10.0 feet below the crown. Slide gate in a 48-inch CMP riser unit 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, (HLM 1.15). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.15). DWR As-Built Specification No. 64-01, Sheet No. 13, 6 November 1963, (HLM 1.15)]. FS Date: 6/23/2021					

Photo 1 of 1 : UCIP_FA_2022_73338_103435.jpg



WS view: Slide gate in CMP riser on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.15	Rating **	A/W	Issue No.	3
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.044939 °	37.045416 °
				-120.429636 °	-120.427719 °
DWR ID	DWR_NA0010_14_f_2020_3				
Comment Code					
DT : Ditch					
Inspector Comment					
Retention pond dug approx. 20 feet from landside toe. Monitor.					

Photo 1 of 1 : FA_2022_NA0010_132_3_20220822_00001.jpg



Retention basin dug approximately 20 ft from the landside toe. (Fall 2020)

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_2021_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_2022_NA0010_132_79_20220822_00003.jpg



View of rodent burrows on the landside slope. (Fall 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.26	Rating **	U	Issue No.	81	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.045383 °	37.045383 °	
				-120.427754 °	-120.427754 °	
DWR ID	19910					
Comment Code						
Inspector Comment						
DS_ID:19910 FS_ID:73339 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/23/2021 Record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Lid missing from CMP riser on WS slope, causing safety concern. LS not accessible; limited inspection due to barbed wire. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe (CMP) through the levee, 9.0 feet below the crown. Slide gate in a 42-inch CMP riser unit 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, (HLM 1.26). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.26). DWR As-Built Specification No. 64-01, Sheet No. 13, 6 November 1963, (HLM 1.26)]. FS Date: 6/23/2021 2:07:00 PM						

Photo 1 of 1 : UCIP_FA_2022_73339_103812.jpg



WS view: close up of CMP riser on 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**

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	4/7/2022 - 4/7/2022		9/22/2022 - 9/22/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	09/22/2022 09/22/2022	Corey Fujitani

LM Start	0.48	Rating **	M	Issue No.	8	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.996551 °	36.996551 °	
				-120.401737 °	-120.401737 °	
DWR ID	19911					
Comment Code						
Inspector Comment						
DS_ID:19911 FS_ID:73365 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Indicator Found UCIP Comments: 06/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. Limited inspection of LS due to vegetation overgrowth; recommend removal. Water was actively flowing through WS pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 0.49). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.48). DWR As-Built Specification No. 64-42, Sheet No. 23, 13 August 1964, (HLM 0.48)]. FS Date: 6/24/2021 2:52:00 PM						

Photo 1 of 1 : UCIP_FA_2022_73365_103819.jpg



LS view: concrete wall and entrance to pipe from toe. View of slope in background.

LM Start	0.95	Rating **	M	Issue No.	6
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996555 °	36.996555 °
				-120.393195 °	-120.393195 °
DWR ID	DWR_NA0010_15_s_2022_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Burrows on both landside and waterside slopes.					

Photo 1 of 1 : FA_2022_NA0010_133_6_20221012_00002.jpg



View of rodent holes in the waterside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	09/22/2022 09/22/2022	Corey Fujitani

LM Start	0.96	Rating **	M	Issue No.	4
LM End	0.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996557 °	36.996557 °
				-120.393095 °	-120.393095 °
DWR ID	DWR_NA0010_15_f_2022_4				
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_2022_NA0010_133_4_20221012_00003.jpg



View of rodent holes on the landside slope. (Fall 2022)

LM Start	1.00	Rating **	M	Issue No.	9	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.996566 °	36.996566 °	
				-120.392280 °	-120.392280 °	
DWR ID	19912					
Comment Code						
Inspector Comment						
DS_ID:19912 FS_ID:73366 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Limited inspection of LS pipe due to vegetation overgrowth; recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 1.01). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.01). DWR As-Built Specification No. 64-42, Sheet No. 23, 13 August 1964, (HLM 1.01)]. FS Date: 6/24/2021 3:18:00 PM						

Photo 1 of 1 : UCIP_FA_2022_73366_103825.jpg



LS view: concrete headwall on toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.51	Rating **	M	Issue No.	5
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996561 °	36.996586 °
				-120.383110 °	-120.374766 °
DWR ID	DWR_NA0010_15_f_2022_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_133_5_20221012_00004.jpg



Looking upstream along the landside slope. (Fall 2022)

LM Start	1.51	Rating **	M	Issue No.	7
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996562 °	36.996586 °
				-120.383109 °	-120.374772 °
DWR ID	DWR_NA0010_15_f _ 2022_7				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	10	
LM End	1.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.996582 °	36.996582 °	
				-120.382757 °	-120.382757 °	
DWR ID	19913					
Comment Code						
Inspector Comment						
DS_ID:19913 FS_ID:73367 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Limited inspection of LS pipe due to vegetation overgrowth; recommend removal. Note that wooden board is holding flapgate closed on WS; recommend removing before flood season to allow for flow. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 03/27/2014 Excessive vegetation at inlet on LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 1.54). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.53). DWR As-Built Specification No. 64-42, Sheet No. 24, 13 August 1964, (HLM 1.53)]. FS Date: 6/24/2021 3:47:00 PM						

LM Start	1.53	Rating **	M	Issue No.	10 (cont)
LM End	1.53	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73367_103831.jpg



LS view: concrete headwall from toe.

Photo 2 of 2 : UCIP_FA_2022_73367_103833.jpg



WS view: closeup of 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
Unit Cover Sheet**

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	4/7/2022 - 4/7/2022		9/22/2022 - 9/22/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	09/22/2022 09/22/2022	Corey Fujitani

LM Start	0.22	Rating **	M	Issue No.	7
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995421 °	36.995421 °
				-120.404956 °	-120.404956 °
DWR ID	DWR_NA0010_16_f_2022_7				
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_2022_NA0010_134_7_20221012_00006.jpg



Animal burrows on the landside slope. (Fall 2022)

LM Start	0.30	Rating **	U	Issue No.	10
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995433 °	36.995433 °
				-120.403543 °	-120.403543 °
DWR ID	DWR_NA0010_16_s_2022_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow is approximately 18-inches across.					

Photo 1 of 1 : FA_2022_NA0010_134_10_20220822_00004.jpg



Large animal burrow on the landside slope. (Spring 2022)

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_2022_NA0010_134_92_20220822_00005.jpg



Looking at several rodent holes on landward slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.09	Rating **	C	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					

No Photos

LM Start	1.41	Rating **	M	Issue No.	5
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995465 °	36.995490 °
				-120.383505 °	-120.374053 °
DWR ID	DWR_NA0010_16_f _ 2022_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_134_5_20221012_00007.jpg



Looking downstream along the landside slope. (Fall 2022)

LM Start	1.41	Rating **	M	Issue No.	6
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995465 °	36.995490 °
				-120.383505 °	-120.374053 °
DWR ID	DWR_NA0010_16_f_2022_6				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	09/22/2022 09/22/2022	Corey Fujitani

LM Start	1.41	Rating **	U	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_s_2022_12				
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_2022_NA0010_134_12_20221012_00008.jpg



Large rodent holes in the landside slope. (Fall 2022)

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	DWR UCIP LMA Responsibility			36.995473 °	36.995473 °	
				-120.382872 °	-120.382872 °	
DWR ID	19915					
Comment Code						
Inspector Comment						
DS_ID:19915 FS_ID:73370 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/24/2021 The record remains Non-Urgent. Limited inspection on LS and WS due to vegetation overgrowth, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/01/2014 Dense vegetation buildup at landside toe--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 1.46). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.46). DWR As-Built Specification No. 64-42, Sheet No. 24, 13 August 1964, (HLM 1.46)]. FS Date: 6/24/2021 11:09:00 AM						

Photo 1 of 2 : UCIP_FA_2022_73370_103851.jpg



LS view: Slope and concrete headwall at inlet, covered by heavy 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	09/22/2022 09/22/2022	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	DWR UCIP LMA Responsibility		36.995473 °	36.995473 °	
			-120.382872 °	-120.382872 °	
DWR ID	19915				

Photo 2 of 2 : UCIP_FA_2022_73370_103849.jpg



WS view: Slope, flapgate, and concrete headwall at toe.

LM Start	1.65	Rating **	M	Issue No.	8
LM End	1.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995498 °	36.995502 °
				-120.379192 °	-120.375747 °
DWR ID	DWR_NA0010_16_s_2022_8				
Comment Code					
V3 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_134_8_20220822_00003.jpg



Looking downstream along the levee crown. (Spring 2022)

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

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	09/22/2022 09/22/2022	Corey Fujitani

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 1 : FA_2022_NA0010_134_2_20220822_00001.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**

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	4/19/2022 - 4/19/2022		9/27/2022 - 9/27/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	14
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976443 °	36.952324 °
				-120.374741 °	-120.348839 °
DWR ID	DWR_NA0010_17_f _ 2022_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_135_14_20221012_00012.jpg



View of vegetation on the landside slope. (Fall 2022)

LM Start	0.02	Rating **	M	Issue No.	15
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976446 °	36.952464 °
				-120.374382 °	-120.348913 °
DWR ID	DWR_NA0010_17_f _ 2022_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_135_15_20221012_00013.jpg



Looking southwest along the waterside slope. (Fall 2022)

LM Start	0.72	Rating **	M	Issue No.	20
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.975580 °	36.970273 °
				-120.361968 °	-120.355443 °
DWR ID	DWR_NA0010_17_f_2022_20				
Comment Code					
V3 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_135_20_20221012_00014.jpg



View of vegetation growing along the levee crown. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	2.56	Rating **	C	Issue No.	16
LM End	2.56	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.952462 °	36.952462 °
				-120.348948 °	-120.348948 °
DWR ID	DWR_NA0010_17_s_2022_16				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

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	DWR UCIP LMA Responsibility			36.952254 °	36.952254 °	
				-120.348804 °	-120.348804 °	
DWR ID	19916					
Comment Code						
Inspector Comment						
DS_ID:19916 FS_ID:73434 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. Limited inspection due to tumbleweeds blocking LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 2.58). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.58). DWR As-Built Specification No. 64-42, Sheet No. 13, 13 August 1964, (HLM 2.58)]. FS Date: 7/19/2021						

Photo 1 of 1 : UCIP_FA_2022_73434_102398.jpg



LS view: Tumbleweeds blocking pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	2.88	Rating **	M	Issue No.	21
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.948301 °	36.948301 °
				-120.346357 °	-120.346357 °
DWR ID	DWR_NA0010_17_f_2022_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Depression in the landside slope appears to be caused by collapsed rodent burrows. Recommend backfilling and compacting.					

Photo 1 of 1 : FA_2022_NA0010_135_21_20221012_00015.jpg



Representative animal burrow on the landside slope. (Fall 2022)

LM Start	4.68	Rating **	M	Issue No.	41
LM End	4.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.923426 °	36.923426 °
				-120.336559 °	-120.336559 °
DWR ID	19921				
Comment Code					
Inspector Comment					
DS_ID:19921 FS_ID:73436 EP_NO: 13587 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record has been upgraded from No Action Needed to Non-Urgent. Dense vegetation over the WS gate, recommend clearing out for better flow during flood season. Some minor vegetation over LS pipe inlet, recommend removal. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert (RCBC) through the levee, 14.6 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. 36-inch weir on the WS. Combination flap gate and slide gate on the WS toe. Steel walkway to slide gate actuator on the WS shoulder. (3.281-foot-high weir and cable-operated flap valve attached to existing 48-inch by 60-inch RCBC authorized under Permit No. 13587, 1983 - Clark Brothers Farming, Arroyo Ranch). [Additional Reference(s): DWR Levee Log, 2002, (HLM 4.68). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 4.69). DWR As-Built Specification No. 64-42, Sheet No. 14, 13 August 1964, (HLM 4.69)]. FS Date: 7/19/2021					

Photo 1 of 2 : UCIP_FA_2022_73436_102410.jpg



LS view: Closeup of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	4.68	Rating **	M	Issue No.	41 (cont)
LM End	4.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.923426 °	36.923426 °
				-120.336559 °	-120.336559 °
DWR ID	19921				

Photo 2 of 2 : UCIP_FA_2022_73436_102413.jpg



WS view: Slidegate and slope from toe.

LM Start	5.09	Rating **	M	Issue No.	22
LM End	5.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.917750 °	36.916391 °
				-120.334475 °	-120.333983 °
DWR ID	DWR_NA0010_17_f_2022_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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 and toe.					

Photo 1 of 1 : FA_2022_NA0010_135_8_20220822_00004.jpg



Looking at several rodent holes on landside slope. (Spring 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	5.92	Rating **	U	Issue No.	17
LM End	5.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.906162 °	36.906162 °
				-120.330258 °	-120.330258 °
DWR ID	DWR_NA0010_17_f_2021_17				
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_2022_NA0010_135_17_20220822_00006.jpg



View of rodent damage to the landside slope. (Fall 2021)

LM Start	6.51	Rating **	M	Issue No.	4
LM End	6.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.898093 °	36.894147 °
				-120.326689 °	-120.324763 °
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_2022_NA0010_135_4_20220822_00002.jpg



View of rodent holes on the landside slope. (Spring 2022)

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_2022_NA0010_135_5_20221012_00016.jpg



Looking at typical view of rodent holes on landward slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	7.74	Rating **	U	Issue No.	18
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.881470 °	36.881470 °
				-120.318961 °	-120.318961 °
DWR ID	DWR_NA0010_17_f_2021_18				
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_2022_NA0010_135_18_20220822_00007.jpg



Looking up the landside slope at several rodent holes. (Fall 2021)

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_2022_NA0010_135_24_20221012_00017.jpg



Looking east at the landside slope. (Fall 2022)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	8.37	Rating **	M	Issue No.	42
LM End	8.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.872358 °	36.872358 °
				-120.317170 °	-120.317170 °
DWR ID	19922				
Comment Code					
Inspector Comment					
DS_ID:19922 FS_ID:73437 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record has been upgraded from No Action Needed to Non-Urgent. Limited inspection due to dense tumbleweeds over LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 8.38). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.38). DWR As-Built Specification No. 64-42, Sheet No. 17, 13 August 1964, (HLM 8.38)]. FS Date: 7/19/2021					

Photo 1 of 1 : UCIP_FA_2022_73437_102420.jpg



LS view: Closeup of pipe inlet at toe.

LM Start	8.55	Rating **	M	Issue No.	23
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.869841 °	36.850440 °
				-120.316684 °	-120.314137 °
DWR ID	DWR_NA0010_17_f_2022_23				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	8.58	Rating **	M	Issue No.	25
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.869460 °	36.850439 °
				-120.316608 °	-120.314137 °
DWR ID	DWR_NA0010_17_f _ 2022_25				
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.	43	
LM End	9.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.850703 °	36.850703 °	
				-120.314154 °	-120.314154 °	
DWR ID	19917					
Comment Code						
Inspector Comment						
DS_ID:19917 FS_ID:73439 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/13/2021 The record remains Non-Urgent. Limited inspection due to dense tumbleweeds over LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert (RCBC) through the levee, 15.0 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, (HLM 9.89). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.89). DWR As-Built Specification No. 64-42, Sheet No. 18, 13 August 1964, (HLM 9.89)]. FS Date: 7/19/2021						

Photo 1 of 1 : UCIP_FA_2022_73439_102427.jpg



LS view: Closeup of inlet at toe covered by tumbleweeds.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	11.03	Rating **	C	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					

No Photos

LM Start	12.10	Rating **	U	Issue No.	26
LM End	12.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.823794 °	36.823794 °
				-120.299278 °	-120.299278 °
DWR ID	DWR_NA0010_17_f_2022_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_2022_NA0010_135_26_20221012_00018.jpg



Large animal burrow in the landside slope. (Fall 2022)

LM Start	12.17	Rating **	C	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					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	12.25	Rating **	U	Issue No.	19
LM End	12.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.821776 °	36.821776 °
				-120.300137 °	-120.300137 °
DWR ID	DWR_NA0010_17_f_2022_19				
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_2022_NA0010_135_19_20220822_00008.jpg



View of rodent burrows on the landside slope. (Fall 2020)

LM Start	12.28	Rating **	M	Issue No.	3
LM End	12.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.821368 °	36.820843 °
				-120.300283 °	-120.300469 °
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					

Photo 1 of 1 : FA_2022_NA0010_135_3_20220822_00001.jpg



View of multiple rodent holes in the landside slope. (Spring 2021)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	13.29	Rating **	M	Issue No.	44
LM End	13.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.807509 °	36.807509 °
				-120.306231 °	-120.306231 °
DWR ID	19918				

Comment Code

Inspector Comment

DS_ID:19918
FS_ID:73440
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 07/13/2021 The record remains Non-Urgent. WS flapgate has plank holding it shut, remove before flood season. Limited inspection due to dense tumbleweeds covering LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/01/2014 Some vegetation buildup at inlet-- recommend clearing. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 13.29). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 13.30). DWR As-Built Specification No. 64-42, Sheet No. 21, 13 August 1964, (HLM 13.30)].
FS Date: 7/19/2021

LM Start	13.29	Rating **	M	Issue No.	44 (cont)
LM End	13.29	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73440_102440.jpg



LS view: Headwall and slope from toe.

Photo 2 of 2 : UCIP_FA_2022_73440_102437.jpg



WS view: Headwall, flapgate, and slope from toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	09/27/2022 09/27/2022	Corey Fujitani

LM Start	14.69	Rating **	M	Issue No.	45	
LM End	14.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.789066 °	36.789066 °	
				-120.300644 °	-120.300644 °	
DWR ID	19920					
Comment Code						
Inspector Comment						
DS_ID:19920 FS_ID:73444 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record remains Non-Urgent. Dense tumbleweeds over WS flapgate and LS inlet, recommend removal of both sides. Limited inspection on both WS and LS ends. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/01/2014 Heavy vegetation buildup at LS toe--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) through the levee, 14.0 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, (HLM 14.70). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 14.69). DWR As-Built Specification No. 64-42, Sheet No. 22, 13 August 1964, (HLM 14.69)]. FS Date: 7/19/2021						

LM Start	14.69	Rating **	M	Issue No.	45 (cont)
LM End	14.69	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_73444_102476.jpg



LS view: Headwall barely visible at toe due to dense vegetation.

Photo 2 of 2 : UCIP_FA_2022_73444_102473.jpg



WS view: Closeup of flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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	4/20/2022 - 4/20/2022		9/28/2022 - 9/28/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	48
LM End	1.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.973906 °	36.953527 °
				-120.362973 °	-120.352057 °
DWR ID	DWR_NA0010_18_f _ 2022_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.03	Rating **	M	Issue No.	46
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.973860 °	36.953283 °
				-120.362916 °	-120.351904 °
DWR ID	DWR_NA0010_18_f_2022_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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_2022_NA0010_137_55_20220822_00014.jpg



View of rodent holes from levee toe looking towards centerline. (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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	1.44	Rating **	A/W	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 minor rodent holes in this section. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_137_7_20220822_00001.jpg



Looking at typical view of rodent holes within this section on landward slope.

LM Start	1.45	Rating **	A/W	Issue No.	70
LM End	1.45	Issue Type +	Ob	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_f_2022_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 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	1.68	Rating **	U	Issue No.	42
LM End	1.68	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			36.952983 °	36.952983 °
				-120.351766 °	-120.351766 °
DWR ID	DWR_NA0010_18_s_2022_42				
Comment Code					
AG : Access Gates					
Inspector Comment					
Gate has broken off hinges and requires replacement.					

Photo 1 of 1 : FA_2022_NA0010_137_42_20220822_00012.jpg



View of broken hinges on the levee access gate. (Spring 2022)

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	DWR UCIP Field Study			36.952821 °	36.952821 °
				-120.351597 °	-120.351597 °
DWR ID	19925				
Comment Code					
Inspector Comment					
DS_ID:19925 FS_ID:73459 EP_NO: 6603 Repair Type: Non-Urgent EVAL Issue: 6, Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 07/20/2021 The record remains Non-Urgent. Flowmeter and pump on pipe appears newer, likely not abandoned as stated in previous inspection. Some erosion around the flowmeter on WS slope. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (Outlet pipe and pump authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.69)]. FS Date: 7/20/2021					

Photo 1 of 1 : UCIP_FA_2022_73459_102065.jpg



WS view: Some erosion around the flowmeter on 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	1.73	Rating **	C	Issue No.	41
LM End	1.73	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.952303 °	36.952303 °
				-120.351328 °	-120.351328 °
DWR ID	DWR_NA0010_18_s_2022_41				
Comment Code					
GA : Garbage					
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

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	DWR UCIP Field Study			36.945577 °	36.945577 °
				-120.347140 °	-120.347140 °
DWR ID	19926				

Comment Code

Inspector Comment

DS_ID:19926
 FS_ID:73463
 EP_NO: 6603
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 07/20/2021 The record remains Non-Urgent. WS has some vegetation growth around the pump and pipe on the slope, recommend removal. No LS standpipe or siphon breaker visible and new filtration system set up landward off the LS toe. Unsure if pipe connected to filtration system and penetrating the ground on LS belongs to this crossing. Confirm with owner on the status of this pipe and the alignment. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (Outlet pipe and pump authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.25)].
 FS Date: 7/20/2021

Photo 1 of 1 : UCIP_FA_2022_73463_102080.jpg



WS view: Pump and pipe off slope, covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	2.25	Rating **	U	Issue No.	8
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.945563 °	36.945563 °
				-120.347121 °	-120.347121 °
DWR ID	DWR_NA0010_18_f_2015_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is one large rodent hole and other smaller rodent holes within this area.					

Photo 1 of 1 : FA_2022_NA0010_137_8_20220822_00002.jpg



Looking at large rodent hole on landward slope.

LM Start	2.47	Rating **	M	Issue No.	45
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.942595 °	36.939127 °
				-120.345925 °	-120.344616 °
DWR ID	DWR_NA0010_18_f_2022_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.41	Rating **	U	Issue No.	31
LM End	3.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.929498 °	36.929093 °
				-120.341091 °	-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 1 of 1 : FA_2022_NA0010_137_31_20220822_00009.jpg



View of rodent burrows in 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

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	3.73	Rating **	U	Issue No.	47
LM End	3.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.924969 °	36.924969 °
				-120.339407 °	-120.339407 °
DWR ID	DWR_NA0010_18_s_2020_47				
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_2022_NA0010_137_47_20220822_00013.jpg



Large rodent burrow in the landside slope. (Spring 2020)

LM Start	3.93	Rating **	U	Issue No.	44
LM End	3.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.922195 °	36.921549 °
				-120.338412 °	-120.338173 °
DWR ID	DWR_NA0010_18_f_2022_44				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows observed in the landside slope and berm.					

Photo 1 of 1 : FA_2022_NA0010_137_44_20221012_00015.jpg



Several rodent holes noted in this section. (Fall 2022)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	4.33	Rating **	M	Issue No.	20
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.916685 °	36.916061 °
				-120.336388 °	-120.336164 °
DWR ID	DWR_NA0010_18_s_2021_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.58	Rating **	U	Issue No.	43
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.913142 °	36.913142 °
				-120.335093 °	-120.335093 °
DWR ID	DWR_NA0010_18_f_2022_43				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large hole at the landside toe of the levee.					

Photo 1 of 1 : FA_2022_NA0010_137_43_20221012_00016.jpg



Large animal hole on the landside toe. (Fall 2022)

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

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	4.80	Rating **	M	Issue No.	19
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.910130 °	36.910130 °
				-120.334002 °	-120.334002 °
DWR ID	DWR_NA0010_18_f_2020_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.23	Rating **	M	Issue No.	25
LM End	5.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.904207 °	36.901973 °
				-120.331835 °	-120.330949 °
DWR ID	DWR_NA0010_18_f_2019_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.54	Rating **	M	Issue No.	64
LM End	5.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.899995 °	36.897624 °
				-120.329992 °	-120.328828 °
DWR ID	DWR_NA0010_18_s_2019_64				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	5.74	Rating **	U	Issue No.	15
LM End	5.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.897237 °	36.893924 °
				-120.328633 °	-120.327020 °
DWR ID	DWR_NA0010_18_f_2017_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are multiple large rodent holes at the landside toe.					

Photo 1 of 1 : FA_2022_NA0010_137_15_20221012_00017.jpg



Several rodent holes noted in the landside slope. (Fall 2022)

LM Start	6.08	Rating **	M	Issue No.	40
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.892677 °	36.892677 °
				-120.326405 °	-120.326405 °
DWR ID	DWR_NA0010_18_f _ 2022_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.13	Rating **	M	Issue No.	36
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.891987 °	36.891987 °
				-120.326065 °	-120.326065 °
DWR ID	DWR_NA0010_18_f_2021_36				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	6.29	Rating **	M	Issue No.	39
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.889791 °	36.887446 °
				-120.324977 °	-120.323832 °
DWR ID	DWR_NA0010_18_f_2022_39				
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 **	A/W	Issue No.	9
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.886767 °	36.886767 °
				-120.323482 °	-120.323482 °
DWR ID	DWR_NA0010_18_f_2014_9				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.62	Rating **	U	Issue No.	38
LM End	6.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.885376 °	36.884648 °
				-120.322820 °	-120.322466 °
DWR ID	DWR_NA0010_18_f_2022_38				
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_2022_NA0010_137_38_20221014_00018.jpg



Several rodent holes observed in this section. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	6.84	Rating **	U	Issue No.	23
LM End	6.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.882384 °	36.882384 °
				-120.321417 °	-120.321417 °
DWR ID	DWR_NA0010_18_f_2019_23				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_137_23_20220822_00008.jpg



Representative view of rodent burrows observed at this location. (Fall 2019)

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_2022_NA0010_137_14_20220822_00004.jpg



View of rodent burrows in the landside slope. (Spring 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

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	DWR UCIP Field Study			36.872431 °	36.872431 °
				-120.319415 °	-120.319415 °
DWR ID	19930				
Comment Code					
Inspector Comment					
DS_ID:19930 FS_ID:73468 EP_NO: 13548 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/20/2021 The record remains Non-Urgent. No longer debris or sediment inside LS pipe outlet. WS pipe does not appear to be distorted, but has minor vegetation over inlet, recommend removal. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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 (RC) gravity irrigation pipe through the levee, 19.0 feet below the crown. Gate structure on the waterside (WS) shoulder. Pipe section on the WS is made of corrugated metal (CM). Pipe section on the landside (LS) is made of RC. (42-inch RC gravity irrigation pipe authorized under Permit No. 13548, 1983 - New Stone Water District). [Additional Reference(s): DWR Levee Log, 2002, (HLM 7.53)]. FS Date: 7/30/2021 3:01:27 PM					

Photo 1 of 1 : UCIP_FA_2022_73468_102096.jpg



WS view: Closeup of pipe inlet at toe.

LM Start	7.56	Rating **	M	Issue No.	37
LM End	8.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.872055 °	36.852164 °
				-120.319335 °	-120.316401 °
DWR ID	DWR_NA0010_18_f_2022_37				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	7.91	Rating **	U	Issue No.	21
LM End	7.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.867030 °	36.866092 °
				-120.318361 °	-120.318180 °
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_2022_NA0010_137_21_20220822_00007.jpg



Several rodent burrows observed at the landside toe. (Fall 2019)

LM Start	7.99	Rating **	M	Issue No.	34
LM End	8.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.865936 °	36.852068 °
				-120.318152 °	-120.316400 °
DWR ID	DWR_NA0010_18_f_2022_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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_2022_NA0010_137_13_20220822_00003.jpg



Looking south at the landside slope.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	8.89	Rating **	U	Issue No.	18
LM End	8.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.852936 °	36.852936 °
				-120.316451 °	-120.316451 °
DWR ID	DWR_NA0010_18_f_2020_18				
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_2022_NA0010_137_18_20220822_00006.jpg



Large rodent holes in the landside slope. (Fall 2020)

LM Start	10.95	Rating **	A/W	Issue No.	5
LM End	10.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.828184 °	36.828184 °
				-120.300114 °	-120.300114 °
DWR ID	DWR_NA0010_18_s_2021_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	12.01	Rating **	A/W	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					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	09/28/2022 09/28/2022	Corey Fujitani

LM Start	13.37	Rating **	M	Issue No.	74
LM End	13.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.794542 °	36.794542 °
				-120.307754 °	-120.307754 °
DWR ID	19569				
Comment Code					
Inspector Comment					
DS_ID:19569 FS_ID:73470 EP_NO: 13049 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/20/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS pipe inlet is across the road and behind barbed wire, could not access, limited inspection. WS pipe outlet has sediment buildup inside, recommend removal. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch reinforced concrete (RC) gravity drainage pipe through the levee, 14.8 feet below the crown. Gate structure on the waterside (WS) slope. Standpipe on the WS end. Riprap on the landside (LS) slope. (36-inch RC gravity drainage pipe authorized under Permit No. 13049, 1981 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2002, (HLM 13.37)]. FS Date: 7/20/2021					

Photo 1 of 1 : UCIP_FA_2022_73470_102110.jpg



WS view: Closeup of pipe inlet at toe with sediment buildup.

LM Start	13.38	Rating **	M	Issue No.	33
LM End	13.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.794449 °	36.794449 °
				-120.307638 °	-120.307638 °
DWR ID	DWR_NA0010_18_f_2022_33				
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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Lower San Joaquin Levee District

No Photos

No Photos

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

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	4/18/2022 - 4/18/2022		9/30/2022 - 9/30/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	0.09	Rating **	M	Issue No.	31
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.206962 °	37.222167 °
				-120.696268 °	-120.698976 °
DWR ID	DWR_NA0010_22A_f_2022_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_138_31_20221014_00027.jpg



View of vegetation on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	38	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.207039 °	37.207039 °	
				-120.696255 °	-120.696255 °	
DWR ID	19933					
Comment Code						
Inspector Comment						
DS_ID:19933 FS_ID:73507 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. Limited inspection of LS due to dense vegetation; recommend removal. Limited inspection on WS due to elevated water level. No pipe inlet or outlet was visible on LS or WS. Riser on WS missing lid, causing a safety hazard. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 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. (O. Magana - DWR UCIP)04/15/2014 No actuator wheel on slide gate at WS shoulder. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 14.8 feet below the crown. Slide gate in a 36-inch CMP riser unit on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.10). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.10). DWR As-Built Specification No. 63-25, Sheet No. 15, 9 May 1963, (HLM 0.10)]. FS Date: 6/9/2021 12:38:00 PM						

Photo 1 of 2 : UCIP_FA_2022_73507_103856.jpg



LS view: Toe from crown, 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	38 (cont)
LM End	0.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.207039 °	37.207039 °
				-120.696255 °	-120.696255 °
DWR ID	19933				

Photo 2 of 2 : UCIP_FA_2022_73507_103855.jpg



WS view: close up of CMP riser on slope.

LM Start	0.87	Rating **	M	Issue No.	23
LM End	0.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.217802 °	37.217802 °
				-120.697416 °	-120.697416 °
DWR ID	DWR_NA0010_22A_f_2014_23				
Comment Code					
SI : Sign					
Inspector Comment					
A pulley is located on the waterside shoulder without a board permit.					

Photo 1 of 1 : FA_2022_NA0010_138_23_20220822_00021.jpg



Pulley on the waterside shoulder. (Fall 2020)

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	Slope Stability			37.220281 °	37.220281 °
				-120.698287 °	-120.698287 °
DWR ID	DWR_NA0010_22A_f_2021_22				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_138_22_20220822_00020.jpg



View of the caving pocket on the levee slope (Fall 2021).

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	1.57	Rating **	M	Issue No.	39	
LM End	1.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.227588 °	37.227588 °	
				-120.700945 °	-120.700945 °	
DWR ID	19936					
Comment Code						
Inspector Comment						
DS_ID:19936 FS_ID:73517 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. Appears abandoned due to headwall not being found on LS. (CMP) riser has no lid, causing a safety hazard; debris visible inside riser, recommend clearing out unless confirmed abandoned. Limited inspection on WS due to water and on LS due to dense vegetation, recommend removal of LS vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI)						
04/15/2014 Slide gate rusted and does not function. Headwall buried at LS toe. Pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch corrugated metal gravity irrigation pipe (CMP) through the levee, 7.0 feet below the crown. Slide gate in a 36-inch CMP riser unit on the waterside (WS) slope. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 1.57). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 1.57). DWR As-Built Specification No. 63-25, Sheet No. 16, 9 May 1963, (HLM 1.57)]. FS Date: 6/9/2021 2:54:00 PM						

LM Start	1.57	Rating **	M	Issue No.	39 (cont)
LM End	1.57	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2022_73517_103906.jpg



LS view: Toe from crown, dense vegetation.

Photo 2 of 2 : UCIP_FA_2022_73517_103903.jpg



WS view: closeup of interior of (CMP) riser.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

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					
Rodent holes are noted around the fence line.					

No Photos

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_2022_NA0010_138_28_20220822_00022.jpg



View of fence along landside toe. (Spring 2021)

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					
Rodent holes observed near the livestock pen on the 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	2.25	Rating **	M	Issue No.	29
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.237050 °	37.238776 °
				-120.704393 °	-120.705028 °
DWR ID	DWR_NA0010_22A_f_2018_29				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is slope erosion from livestock, the slope is no longer 3:1.					

Photo 1 of 1 : FA_2022_NA0010_138_29_20221014_00028.jpg



View of damage to the waterside slope looking downstream. (Fall 2022)

LM Start	2.65	Rating **	U	Issue No.	1	
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						
08/03/2022: From 2021 to present, no significant changes were observed during the annual survey.						
08/18/2020: The site has been covered with loose fill and crushed concrete pieces. The erosion will likely worsen again during the next high water.						
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 1 : SJR2022_NA0010U22RM3.87_3.JPG



8/3/2022: View of the erosion with fill and concrete looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	2.71	Rating **	M	Issue No.	40	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.243501 °	37.243501 °	
				-120.706773 °	-120.706773 °	
DWR ID	19937					
Comment Code						
Inspector Comment						
DS_ID:19937 FS_ID:73518 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. Appears abandoned due to no found headwall on LS toe. (CMP) riser missing lid, causing a safety hazard. Slidegate appears to be open; visible water in CMP riser. Limited inspection of WS inlet due to it being underwater at the time of survey. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (PEspinoza – GEI) 04/15/2014 Slide gate does not function and should be repaired. Headwall at LS toe not found. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation siphon pipe (CMP) through the levee, 7.5 feet below the crown. Slide gate in a 36-inch CMP riser unit on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.72). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.72). DWR As-Built Specification No. 63-25, Sheet No. 17, 9 May 1963, (HLM 2.72)]. FS Date: 6/9/2021 3:03:00 PM						

Photo 1 of 1 : UCIP_FA_2022_73518_103912.jpg



WS view: Water visible in riser on slope.

LM Start	2.82	Rating **	U	Issue No.	3	
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						
08/03/2022: From 2020 to present, no significant changes were observed during the annual survey. In some areas, the levee shoulder width is up to 8 ft. There is some crushed concrete on the levee slope.						
09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.						

Photo 1 of 1 : SJR2022_NA0010U22RM3.70_2.JPG



8/3/2022: View of the erosion looking downstream.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	2.87	Rating **	U	Issue No.	4
LM End	2.88	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 08/03/2022: From 2021 to present, no significant changes were observed during the annual survey. 08/18/2020: No vegetation visible in the area of the erosion. Noticed some crushed concrete pieces on the levee slope and a small amount of loose fill. 09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.					

Photo 1 of 1 : SJR2022_NA0010U22RM3.65_2.JPG



8/3/2022: View of the erosion looking downstream.

LM Start	2.96	Rating **	M	Issue No.	7
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 08/03/2022: From 2021 to present, no significant changes were observed during the annual survey. 08/18/2020: The erosion has been covered with loose fill and crushed concrete pieces. A nearly vertical slope remains at the levee toe in some sections. The site will likely worsen again during the next high water. 09/12/2019: The erosion has damaged entire levee slope. The livestock activity likely has caused the erosion.					

Photo 1 of 1 : SJR2022_NA0010U22RM3.56_2.JPG



8/3/2022: View of the erosion and crushed concrete on the 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	3.14	Rating **	U	Issue No.	2
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

08/03/2022: From 2021 to present, no significant changes were observed during the annual survey.

08/18/2020: The erosion has slightly worsened and cut into the levee prism. The site is immediately downstream of a tree on the levee toe.

09/12/2019: The erosion has damaged the entire levee slope. Livestock activity likely has caused the erosion.

LM Start	3.14	Rating **	U	Issue No.	2 (cont)
LM End	3.15	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2022_NA0010U22RM3.38_2.JPG



8/3/2022: View of the erosion looking downstream.

Photo 2 of 2 : SJR2022_NA0010U22RM3.38_3.JPG



8/3/2022: 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	30
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.250687 °	37.250687 °
				-120.714559 °	-120.714559 °
DWR ID	DWR_NA0010_22A_f_2022_30				
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_2022_NA0010_138_30_20221014_00029.jpg



View of rodent holes in the landside slope. (Fall 2022)

LM Start	3.44	Rating **	U	Issue No.	34
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.251370 °	37.251370 °
				-120.715344 °	-120.715344 °
DWR ID	DWR_NA0010_22A_f_2018_34				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Broken concrete was placed on the waterside slope to prevent erosion from livestock. Concrete with rebar should be removed.					

Photo 1 of 1 : FA_2022_NA0010_138_34_20220822_00024.jpg



Fill and concrete were placed to repair erosion on the waterside slope. Concrete with rebar should be removed. (Spring 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	35
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.251621 °	37.251978 °
				-120.715649 °	-120.716143 °
DWR ID	DWR_NA0010_22A_f_2018_35				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Waterside slope erosion is from livestock activity. Slope stabilized with broken concrete. Concrete with rebar in it should be removed.					

Photo 1 of 1 : FA_2022_NA0010_138_35_20220822_00025.jpg



Fill and concrete placed on the waterside slope. Rebar should be removed for safety. (Fall 2021)

LM Start	3.64	Rating **	A/W	Issue No.	9
LM End	3.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.253362 °	37.253862 °
				-120.717873 °	-120.718507 °
DWR ID	DWR_NA0010_22A_f_2016_9				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Broken concrete has been placed to limit further erosion caused by livestock. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_138_9_20220822_00013.jpg



View of waterside slope looking upstream. (Spring 2020)

LM Start	3.79	Rating **	A/W	Issue No.	11
LM End	3.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.254923 °	37.254923 °
				-120.719769 °	-120.719769 °
DWR ID	DWR_NA0010_22A_s_2014_11				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	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	Erosion / Livestock			37.255239 °	37.255239 °
				-120.720142 °	-120.720142 °
DWR ID	DWR_NA0010_22A_f_2017_14				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Broken concrete previously placed to stabilize the slope has washed out.					

Photo 1 of 1 : FA_2022_NA0010_138_14_20220822_00016.jpg



Damage to the waterside slope. (Spring 2021)

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	Erosion / Livestock			37.258353 °	37.258353 °
				-120.723824 °	-120.723824 °
DWR ID	DWR_NA0010_22A_f_2019_15				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_138_15_20220822_00017.jpg



View of erosion in the landside slope and shoulder from livestock traffic. (Fall 2019)

LM Start	4.26	Rating **	U	Issue No.	10
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					
08/03/2022: From 2020 to present, no significant changes were observed during the annual survey.					
09/12/2019: Erosion has developed into the lower levee slope. Loose material was observed at the site.					

Photo 1 of 1 : SJR2022_NA0010_22A_f_2018_37_2.JPG



8/3/2022: View of the erosion looking downstream.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	4.30	Rating **	U	Issue No.	37
LM End	5.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.260111 °	37.268135 °
				-120.725900 °	-120.737130 °
DWR ID	DWR_NA0010_22A_f_2018_37				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion is cutting into the waterside slope. Some sections have been stabilized with cobble stone and broken concrete.					

Photo 1 of 1 : FA_2022_NA0010_138_37_20220822_00026.jpg



View of waterside slope damage looking upstream. (Fall 2020)

LM Start	4.42	Rating **	M	Issue No.	21
LM End	4.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261573 °	37.261573 °
				-120.727622 °	-120.727622 °
DWR ID	DWR_NA0010_22A_f_2021_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
District has placed a bait station at the location.					

Photo 1 of 1 : FA_2022_NA0010_138_21_20220822_00019.jpg



View of displaced earth and rodent holes in the landside slope. (Fall 2021)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

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	Erosion / Livestock			37.265813 °	37.265813 °
				-120.733748 °	-120.733748 °
DWR ID	DWR_NA0010_22A_f_2016_8				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Levee damage caused by animal traffic. Several sites repaired with broken concrete. Continue to monitor.					

Photo 1 of 1 : FA_2022_NA0010_138_8_20220822_00012.jpg



Slope damage repaired with concrete rubble on the waterside slope and shoulder. (Spring 2021)

LM Start	5.12	Rating **	M	Issue No.	6
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.268236 °	37.272262 °
				-120.737210 °	-120.741778 °
DWR ID	DWR_NA0010_22A_s_2022_6				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage is caused by livestock on waterside toe.					

Photo 1 of 1 : FA_2022_NA0010_138_6_20220822_00009.jpg



Looking southeast at livestock erosion on waterward toe. (Fall 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	5.48	Rating **	M	Issue No.	41	
LM End	5.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.272079 °	37.272079 °	
				-120.741575 °	-120.741575 °	
DWR ID	19938					
Comment Code						
Inspector Comment						
DS_ID:19938 FS_ID:73519 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/09/2021 The record remains Non-Urgent. Appears abandoned due to the LS headwall being buried in sediment and debris buildup, recommend clearing out. Inlet pipe on WS is not visible due to water in channel at the time of the survey. Limited inspection on both WS and LS pipe inlet/outlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H.Dunn. (P.Espinoza – GEI) 04/15/2014 Need to contact owner. Pipe silted in on LS toe. Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal irrigation siphon pipe (CMP) through the levee, 10.0 feet below the crown. Slide gate in a 60-inch CMP riser unit 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, (HLM 5.48). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.48). DWR As-Built Specification No. 63-25, Sheet No. 19, 9 May 1963, (HLM 5.48)]. FS Date: 6/9/2021 3:14:00 PM						

LM Start	5.48	Rating **	M	Issue No.	41 (cont)
LM End	5.48	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2022_73519_103919.jpg



LS view: slope and buried headwall at toe.

Photo 2 of 2 : UCIP_FA_2022_73519_103920.jpg



LS view: Closeup of buried concrete headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	09/30/2022 09/30/2022	Corey Fujitani

LM Start	5.50	Rating **	M	Issue No.	20
LM End	5.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272345 °	37.272345 °
				-120.741883 °	-120.741883 °
DWR ID	DWR_NA0010_22A_f_2021_20				
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_2022_NA0010_138_20_20220822_00018.jpg



View of rodent holes in the landside slope looking upstream. (Fall 2021)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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	4/19/2022 - 4/19/2022		9/27/2022 - 9/27/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			36.772713 °	36.772713 °	
				-120.280670 °	-120.280670 °	
DWR ID	19945					
Comment Code						
Inspector Comment						
DS_ID:19945 FS_ID:73575 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record remains Non-Urgent. Dense LS vegetation over pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/03/2014 Excessive vegetation at inlet--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) through the levee, 13.0 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. (Construction of a new discharge structure and rehabilitation of an 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, (HLM 0.21). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.21). DWR As-Built Specification No. 65-30, Sheet No. 7, 27 April 1965, (HLM 0.21)]. FS Date: 7/19/2021						

Photo 1 of 1 : UCIP_FA_2022_73575_102579.jpg



LS view: Closeup of pipe inlet at toe covered with vegetation.

LM Start	0.21	Rating **	A/W	Issue No.	20
LM End	0.73	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.772690 °	36.774700 °
				-120.280550 °	-120.272720 °
DWR ID	219-100				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:23					
Site Designation:219-100					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	0.72	Rating **	M	Issue No.	39
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774759 °	36.774079 °
				-120.272857 °	-120.271205 °
DWR ID	DWR_NA0010_23_f _ 2022_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_139_39_20221014_00014.jpg



View of vegetation on the landside slope. (Fall 2022)

LM Start	1.00	Rating **	M	Issue No.	40
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			36.772875 °	36.772875 °
				-120.268436 °	-120.268436 °
DWR ID	DWR_NA0010_23_s_2022_40				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_139_40_20220822_00010.jpg



Damage from vehicle traffic to the waterside slope. (Spring 2022)

LM Start	1.09	Rating **	C	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					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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

LM Start	1.24	Rating **	M	Issue No.	41
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.773085 °	36.773085 °
				-120.264120 °	-120.264120 °
DWR ID	DWR_NA0010_23_f_2022_41				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is a partially collapsed rodent hole on the landside slope.					

Photo 1 of 1 : FA_2022_NA0010_139_41_20221014_00015.jpg



Representative animal burrow on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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	DWR UCIP Field Study			36.771408 °	36.771408 °	
				-120.257899 °	-120.257899 °	
DWR ID	19948					
Comment Code						
Inspector Comment						
DS_ID:19948 FS_ID:73578 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record remains Non-Urgent. Sediment buildup inside LS pipe inlet, recommend cleaning out. WS flapgate inaccessible due to barbed wire. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) through the levee, 11.0 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, (HLM 1.64)]. FS Date: 7/19/2021						

Photo 1 of 1 : UCIP_FA_2022_73578_102587.jpg



LS view: Closeup of pipe inlet at toe with sediment buildup.

LM Start	1.66	Rating **	M	Issue No.	42
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771409 °	36.771697 °
				-120.257425 °	-120.255535 °
DWR ID	DWR_NA0010_23_f_2022_42				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	1.90	Rating **	U	Issue No.	28
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			36.772731 °	36.772731 °
				-120.253590 °	-120.253590 °
DWR ID	DWR_NA0010_23_s_2021_28				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_139_28_20220822_00007.jpg



View of vehicle damage to the waterside slope and shoulder. (Spring 2021)

LM Start	1.91	Rating **	M	Issue No.	1
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.772943 °	36.772943 °
				-120.253511 °	-120.253511 °
DWR ID	DWR_NA0010_23_s_2015_1				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
There is a downed tree on the waterside slope.					

Photo 1 of 1 : FA_2022_NA0010_139_1_20220822_00001.jpg



View of fallen tree on the waterside slope. (Fall 2019)

LM Start	1.93	Rating **	A/W	Issue No.	21
LM End	1.93	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.773160 °	36.773160 °
				-120.253390 °	-120.253390 °
DWR ID	219-FOC-6				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:24					
Site Designation:219-FOC-6					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	2.12	Rating **	M	Issue No.	16
LM End	2.12	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.775507 °	36.775507 °
				-120.251670 °	-120.251672 °
DWR ID	DWR_NA0010_23_s_2013_16				
Comment Code					
RA : Ramp					
Inspector Comment					
Ramp constructed on waterside slope.					

Photo 1 of 1 : FA_2022_NA0010_139_16_20220822_00003.jpg



View of ramp constructed on waterside slope. (Fall 2020)

LM Start	2.24	Rating **	U	Issue No.	43
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.775659 °	36.775659 °
				-120.249645 °	-120.249645 °
DWR ID	DWR_NA0010_23_f_2022_43				
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_2022_NA0010_139_43_20221014_00016.jpg



Large animal hole in the landside slope. (Fall 2022)

LM Start	2.36	Rating **	M	Issue No.	47
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.775128 °	36.775128 °
				-120.247661 °	-120.247661 °
DWR ID	DWR_NA0010_23_s_2020_47				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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	Erosion / Vehicle Traffic			36.774528 °	36.774528 °
				-120.247068 °	-120.247068 °
DWR ID	DWR_NA0010_23_s_2018_37				
Comment Code					
E6 : 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. Growth encroaching over levee crown.					

No Photos

LM Start	2.91	Rating **	M	Issue No.	44
LM End	3.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771569 °	36.771565 °
				-120.239688 °	-120.237900 °
DWR ID	DWR_NA0010_23_f_2022_44				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	2.98	Rating **	M	Issue No.	68
LM End	2.98	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771546 °	36.771546 °
				-120.238517 °	-120.238517 °
DWR ID	19951				
Comment Code					
Inspector Comment					
DS_ID:19951 FS_ID:73579 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record has been upgraded from No Action Needed to Non-Urgent. Sediment and tumbleweed buildup over and inside LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) through the levee, 9.0 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, (HLM 2.99)]. FS Date: 7/19/2021					

Photo 1 of 1 : UCIP_FA_2022_73579_102593.jpg



LS view: Closeup of pipe inlet at toe with sediment and vegetation buildup.

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. Growth is encroaching on the landside 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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

LM Start	3.45	Rating **	M	Issue No.	45
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.776591 °	36.776591 °
				-120.234607 °	-120.234607 °
DWR ID	DWR_NA0010_23_f_2022_45				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.64	Rating **	A/W	Issue No.	23
LM End	3.64	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.779340 °	36.779340 °
				-120.234460 °	-120.234460 °
DWR ID	219-FOC-7				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage Site ID No:25 Site Designation:219-FOC-7					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	3.66	Rating **	M	Issue No.	48
LM End	3.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.779576 °	36.783386 °
				-120.234449 °	-120.231474 °
DWR ID	DWR_NA0010_23_f_2022_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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					
Rodent holes around and within the elderberry growth.					

No Photos

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. Growth is encroaching on the landside slope.					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	4.45	Rating **	U	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

LM Start	4.81	Rating **	M	Issue No.	49
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.789076 °	36.791298 °
				-120.220752 °	-120.215463 °
DWR ID	DWR_NA0010_23_f_2022_49				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	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	DWR UCIP Field Study			36.789550 °	36.789550 °	
				-120.220367 °	-120.220367 °	
DWR ID	19953					
Comment Code						
Inspector Comment						
DS_ID:19953 FS_ID:73581 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record remains Non-Urgent. WS pipe inlet underwater during inspection. LS pipe outlet not visible due to dense vegetation, recommend removing vegetation. Limited inspection on both WS and LS ends. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/03/2014 Heavy vegetation at inlet and outlet-- recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity irrigation culvert (RCBC) through the levee, 10.7 feet below the crown. 4.5-foot by 7-foot concrete riser unit 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, (HLM 4.87)]. FS Date: 7/19/2021						

Photo 1 of 1 : UCIP_FA_2022_73581_102608.jpg



LS view: Pipe outlet covered by dense vegetation at toe.

LM Start	5.21	Rating **	U	Issue No.	50
LM End	5.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.791383 °	36.791383 °
				-120.214560 °	-120.214560 °
DWR ID	DWR_NA0010_23_f_2022_50				
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_2022_NA0010_139_50_20221014_00017.jpg



Multiple large animal burrows on the landside slope. (Fall 2022)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	5.68	Rating **	M	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_2022_NA0010_139_5_20220822_00002.jpg



Looking at several rodent holes on landside slope.

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	DWR UCIP LMA Responsibility			36.791936 °	36.791936 °	
				-120.206226 °	-120.206226 °	
DWR ID	19954					
Comment Code						
Inspector Comment						
DS_ID:19954 FS_ID:73582 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record remains Non-Urgent. LS has sediment buildup in pipe inlet and buildup of tumbleweeds around pipe inlet, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch by 36-inch square reinforced concrete box gravity drainage culvert (RCBC) through the levee, 9.0 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, (HLM 5.71). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 5.71). DWR As-Built Specification No. 65-30, Sheet No. 13, 27 April 1965, (HLM 5.71)]. FS Date: 7/19/2021						

Photo 1 of 1 : UCIP_FA_2022_73582_102645.jpg



LS view: Closeup of pipe inlet at toe with sediment and tumbleweed 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	6.10	Rating **	U	Issue No.	51
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.788806 °	36.788806 °
				-120.200824 °	-120.200824 °
DWR ID	DWR_NA0010_23_f_2022_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_2022_NA0010_139_51_20221014_00018.jpg



View of rodent burrow underneath vegetation growth on the landside slope. (Fall 2022)

LM Start	6.15	Rating **	M	Issue No.	52
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.788077 °	36.783416 °
				-120.200843 °	-120.200692 °
DWR ID	DWR_NA0010_23_f_2022_52				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.15	Rating **	M	Issue No.	53
LM End	6.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.787999 °	36.780591 °
				-120.200844 °	-120.196763 °
DWR ID	DWR_NA0010_23_f_2022_53				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	6.70	Rating **	M	Issue No.	54
LM End	6.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.780893 °	36.780502 °
				-120.198098 °	-120.196373 °
DWR ID	DWR_NA0010_23_f_2022_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.85	Rating **	M	Issue No.	24
LM End	6.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.780282 °	36.780282 °
				-120.195583 °	-120.195583 °
DWR ID	DWR_NA0010_23_f_2020_24				
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_2022_NA0010_139_24_20220822_00004.jpg



Several rodent holes noted at this location. (Fall 2020)

*** 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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	DWR UCIP Field Study			36.778783 °	36.778783 °
				-120.192447 °	-120.192447 °
DWR ID	19939				
Comment Code					
Inspector Comment					
DS_ID:19939 FS_ID:73583 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/19/2021 The record remains Non-Urgent. LS pipe inlet almost completely filled with sediment, recommend removal. Water running through WS flapgate during inspection and wooden plank keeping WS flapgate closed, recommend removal before flood season for better flow. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 7.06)]. FS Date: 7/19/2021					

Photo 1 of 1 : UCIP_FA_2022_73583_102659.jpg



LS view: Closeup of pipe inlet at toe with dense sediment buildup.

LM Start	7.52	Rating **	M	Issue No.	46
LM End	7.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.781983 °	36.784231 °
				-120.186095 °	-120.184096 °
DWR ID	DWR_NA0010_23_f_2021_46				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several burrows in the landside slope.					

Photo 1 of 1 : FA_2022_NA0010_139_46_20220822_00011.jpg



View of several rodent burrows in the landside slope. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	55
LM End	8.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.789866 °	36.792868 °
				-120.182216 °	-120.180733 °
DWR ID	DWR_NA0010_23_f _ 2022_55				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.16	Rating **	M	Issue No.	56
LM End	8.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.790372 °	36.792960 °
				-120.182148 °	-120.180572 °
DWR ID	DWR_NA0010_23_f_2022_56				
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.	31
LM End	8.32	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.792436 °	36.792436 °
				-120.181289 °	-120.181289 °
DWR ID	DWR_NA0010_23_s_2021_31				
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_2022_NA0010_139_31_20220822_00009.jpg



View of rodent burrow in the levee crown. (Spring 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			36.792476 °	36.792476 °
				-120.181255 °	-120.181255 °
DWR ID	19940				

Comment Code

Inspector Comment

DS_ID:19940
FS_ID:73584
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 6, Levee Damage or Threat for Levee Damage
Crossing Status: Found
UCIP Comments: 07/19/2021 The record remains Non-Urgent. LS pipe inlet almost completely covered by sediment, recommend clearing out. Some minor erosion along one side of the WS headwall as well as some burrow complexes on the slope adjacent to same headwall side. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 8.33). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.33). DWR As-Built Specification No. 65-30, Sheet No. 15, 27 April 1965, (HLM 8.33)].
FS Date: 7/19/2021

LM Start	8.32	Rating **	M	Issue No.	72 (cont)
LM End	8.32	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_73584_102672.jpg



LS view: Closeup of pipe inlet blocked by sediment.

Photo 2 of 3 : UCIP_FA_2022_73584_102673.jpg



WS view: Minor erosion along the side of the headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	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	DWR UCIP LMA Responsibility		36.792476 °	36.792476 °	
			-120.181255 °	-120.181255 °	
DWR ID	19940				

Photo 3 of 3 : UCIP_FA_2022_73584_102668.jpg



WS view: Burrow holes and erosion along the side of the headwall from toe.

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	DWR UCIP LMA Responsibility		36.794108 °	36.794108 °	
			-120.178171 °	-120.178171 °	
DWR ID	19941				

Comment Code

Inspector Comment

DS_ID:19941
 FS_ID:73585
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 07/19/2021 The record remains Non-Urgent. LS pipe inlet has sediment buildup inside, recommend removal. Extensive burrows above the LS headwall slope. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 8.53). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.54). DWR As-Built Specification No. 65-30, Sheet No. 15, 27 April 1965, (HLM 8.54)].
 FS Date: 7/19/2021

Photo 1 of 2 : UCIP_FA_2022_73585_102681.jpg



LS view: Burrow holes above 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	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	DWR UCIP LMA Responsibility			36.794108 °	36.794108 °
				-120.178171 °	-120.178171 °
DWR ID	19941				

Photo 2 of 2 : UCIP_FA_2022_73585_102675.jpg



LS view: Closeup of pipe inlet at toe with sediment buildup.

LM Start	8.55	Rating **	U	Issue No.	29
LM End	8.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.794284 °	36.795288 °
				-120.177783 °	-120.176146 °
DWR ID	DWR_NA0010_23_f_2020_29				
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_2022_NA0010_139_29_20220822_00008.jpg

Several rodent holes observed along this section of the landside slope.
(Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

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_2022_NA0010_139_25_20221014_00019.jpg



Several rodent holes observed on the waterside slope in this section.
(Fall 2022)

LM Start	9.08	Rating **	M	Issue No.	57
LM End	9.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.801025 °	36.807428 °
				-120.174608 °	-120.168832 °
DWR ID	DWR_NA0010_23_f_2022_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.19	Rating **	A/W	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

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	9.54	Rating **	M	Issue No.	59
LM End	9.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.804681 °	36.807360 °
				-120.168815 °	-120.168832 °
DWR ID	DWR_NA0010_23_f_2022_59				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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					

Photo 1 of 1 : FA_2022_NA0010_139_65_20220822_00013.jpg



Depressions forming in the levee crown. (Spring 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	9.75	Rating **	U	Issue No.	74
LM End	9.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807768 °	36.807768 °
				-120.168848 °	-120.168848 °
DWR ID	19943				
Comment Code					
Inspector Comment					
DS_ID:19943 FS_ID:77382 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 08/31/2022 Crossing open on both ends with no way to close it as the gates do not work: urgent. (A. McDonald - DWR UCIP)07/19/2021 The record remains Non-Urgent. Limited access to both LS and WS due to steep slopes and vegetation. Both WS outlet and LS inlet have sediment buildup, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. This portion of the levee has a levee prism less than 3 feet, appears to be high ground. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)					
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. (O. Magana - DWR UCIP)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 1 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert (RCBC) through the levee, 10.0 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, (HLM 9.76). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.76). DWR As-Built Specification No. 65-30, Sheet No. 16, 27 April 1965, (HLM 9.76)]. FS Date: 7/19/2021					

Photo 1 of 2 : UCIP_FA_2022_77382_102710.jpg



LS view: Closeup of inlets at toe with sediment 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	9.75	Rating **	U	Issue No.	74 (cont)
LM End	9.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807768 °	36.807768 °
				-120.168848 °	-120.168848 °
DWR ID	19943				

Photo 2 of 2 : UCIP_FA_2022_77382_102713.jpg



WS view: Closeup of slidegates at 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	9.75	Rating **	U	Issue No.	75
LM End	9.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807777 °	36.807777 °
				-120.168843 °	-120.168843 °
DWR ID	19980				
Comment Code					
Inspector Comment					
DS_ID:19980 FS_ID:77383 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 08/31/2022 Crossing open on both ends with no way to close it as the gates do not work: urgent. (A. McDonald - DWR UCIP)07/19/2021 The record remains Non-Urgent. Limited access to both LS and WS due to steep slopes and vegetation. Both WS outlet and LS inlet have sediment buildup, recommend clearing out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. This portion of the levee has a levee prism less than 3 feet, appears to be high ground. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)					
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. (O. Magana - DWR UCIP)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 2 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert (RCBC) through the levee, 10.0 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, (HLM 9.76). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 9.76). DWR As-Built Specification No. 65-30, Sheet No. 16, 27 April 1965, (HLM 9.76)]. FS Date: 7/19/2021					

Photo 1 of 2 : UCIP_FA_2022_77383_102717.jpg



LS view: Closeup of pipe inlets at toe with sediment 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	09/27/2022 09/27/2022	Corey Fujitani

LM Start	9.75	Rating **	U	Issue No.	75 (cont)
LM End	9.75	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		36.807777 °	36.807777 °	
			-120.168843 °	-120.168843 °	
DWR ID	19980				

Photo 2 of 2 : UCIP_FA_2022_77383_102720.jpg



WS view: Closeup of slidegates from toe.

LM Start	9.76	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			36.807810 °	36.808553 °
				-120.168829 °	-120.168827 °
DWR ID	DWR_NA0010_23_f_2018_58				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Woody vegetation is partially blocking crown and landside slope.					

Photo 1 of 1 : FA_2022_NA0010_139_58_20220822_00012.jpg



Woody vegetation on landside toe obstructing landside of crown. (Spring 2021)

* 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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Lower San Joaquin Levee District

Vegetation growing on the landside slope and levee crown. (Fall 2022)

Page 27 of 27

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

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	4/20/2022 - 4/20/2022		9/28/2022 - 9/28/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	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 1 : FA_2022_NA0010_140_47_20220822_00013.jpg



Berm and material constructed off the waterside slope. (Fall 2020)

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	DWR UCIP Field Study			36.766872 °	36.766872 °	
				-120.283212 °	-120.283212 °	
DWR ID	19955					
Comment Code						
Inspector Comment						
DS_ID:19955 FS_ID:73629 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/20/2021 The record remains Non-Urgent. Cannot access LS inlet due to barbed wire, but appears to have sediment buildup. WS flapgate inaccessible due to steep hill and dense vegetation, recommend clearing vegetation and sediment out on both WS and LS inlet/outlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert (RCBC) 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, (HLM 0.49)]. FS Date: 7/20/2021						

Photo 1 of 2 : UCIP_FA_2022_73629_102764.jpg



LS view: Top of headwall at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	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	DWR UCIP Field Study			36.766872 °	36.766872 °	
				-120.283212 °	-120.283212 °	
DWR ID	19955					

Photo 2 of 2 : UCIP_FA_2022_73629_102761.jpg



WS view: Closeup of flapgate at toe.

LM Start	0.80	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			36.766553 °	36.766962 °
				-120.278947 °	-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_2022_NA0010_140_6_20220822_00001.jpg



Rodent burrows in the landside slope. (Spring 2020)

LM Start	0.85	Rating **	A/W	Issue No.	12
LM End	0.86	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.767150 °	36.767250 °
				-120.278440 °	-120.278350 °
DWR ID	220-107				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:14					
Site Designation:220-107					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	1.75	Rating **	A/W	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

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

LM Start	2.77	Rating **	M	Issue No.	39
LM End	2.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			36.772289 °	36.772289 °
				-120.249693 °	-120.249693 °
DWR ID	DWR_NA0010_24_f_2021_39				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_140_39_20220822_00012.jpg



Damage to the landside slope from vehicle traffic. (Fall 2021)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	2.85	Rating **	A/W	Issue No.	13
LM End	2.85	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.772060 °	36.772060 °
				-120.248370 °	-120.248370 °
DWR ID	220-1				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:12					
Site Designation:220-1					

No Photos

LM Start	2.89	Rating **	M	Issue No.	40
LM End	2.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771638 °	36.770622 °
				-120.247832 °	-120.246601 °
DWR ID	DWR_NA0010_24_f_2022_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.91	Rating **	M	Issue No.	38
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771426 °	36.770337 °
				-120.247589 °	-120.246116 °
DWR ID	DWR_NA0010_24_f_2022_38				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	3.05	Rating **	U	Issue No.	51
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.770146 °	36.769796 °
				-120.245703 °	-120.243035 °
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_2022_NA0010_140_51_20220822_00014.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_2022_NA0010_140_7_20220822_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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	3.53	Rating **	A/W	Issue No.	15
LM End	3.53	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.768910 °	36.768910 °
				-120.237180 °	-120.237180 °
DWR ID	220-4				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:13					
Site Designation:220-4					

No Photos

LM Start	3.53	Rating **	U	Issue No.	28
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.768886 °	36.768531 °
				-120.237154 °	-120.236226 °
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_2022_NA0010_140_28_20221014_00016.jpg



View of rodent burrows in the landside slope. (Fall 2022)

LM Start	3.70	Rating **	A/W	Issue No.	16
LM End	3.76	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			36.767840 °	36.767760 °
				-120.234340 °	-120.233380 °
DWR ID	220-105				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:15					
Site Designation:220-105					

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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	3.84	Rating **	A/W	Issue No.	37
LM End	3.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			36.768024 °	36.768024 °
				-120.231896 °	-120.231896 °
DWR ID	DWR_NA0010_24_f_2022_37				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_140_37_20221014_00017.jpg



Damage to the landside slope from vehicle traffic. (Fall 2022)

LM Start	5.19	Rating **	M	Issue No.	35
LM End	5.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.781613 °	36.782319 °
				-120.226497 °	-120.223095 °
DWR ID	DWR_NA0010_24_f_2022_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.19	Rating **	M	Issue No.	36
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.781613 °	36.782319 °
				-120.226493 °	-120.223095 °
DWR ID	DWR_NA0010_24_f_2022_36				
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

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 1 : FA_2022_NA0010_140_266_20220822_00015.jpg



Stockpile of rock kept in the river channel. (Spring 2021)

LM Start	5.40	Rating **	M	Issue No.	25
LM End	5.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.782397 °	36.782397 °
				-120.222815 °	-120.222815 °
DWR ID	DWR_NA0010_24_s_2021_25				
Comment Code					
MA : Material					
Inspector Comment					
Rocks are stockpiled near the waterside toe.					

Photo 1 of 1 : FA_2022_NA0010_140_25_20220822_00010.jpg



Stockpile of rock kept at the waterside toe and river channel. (Spring 2021)

LM Start	5.66	Rating **	M	Issue No.	20
LM End	5.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.784215 °	36.784215 °
				-120.218882 °	-120.218882 °
DWR ID	DWR_NA0010_24_f_2020_20				
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_2022_NA0010_140_20_20220822_00008.jpg



Rodent holes at the landside toe. (Fall 2020)

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	6.01	Rating **	A/W	Issue No.	30
LM End	6.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			36.787515 °	36.787815 °
				-120.215337 °	-120.214132 °
DWR ID	DWR_NA0010_24_f_2022_30				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is approximately 20 feet from levee toe and has not yet eroded into the theoretical prism. Approximately 20 feet vertical erosion and 825 feet long. Recommend monitoring and measuring during high water.					

Photo 1 of 1 : FA_2022_NA0010_140_30_20221014_00018.jpg



View of erosion on the waterside berm. (Fall 2022)

LM Start	6.09	Rating **	M	Issue No.	268
LM End	6.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.787864 °	36.787864 °
				-120.213912 °	-120.213912 °
DWR ID	19956				
Comment Code					
Inspector Comment					
DS_ID:19956 FS_ID:73634 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/20/2021 The record has been upgraded from No Action Needed to Non-Urgent. Limited inspection due to some vegetation covering LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Levee prism appears less than 3 feet in height. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 5.0 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, (HLM 6.09)]. FS Date: 7/20/2021					

Photo 1 of 1 : UCIP_FA_2022_73634_102808.jpg



LS view: Closeup of pipe inlet at toe 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	6.14	Rating **	U	Issue No.	33
LM End	6.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.788063 °	36.784563 °
				-120.213030 °	-120.203976 °
DWR ID	DWR_NA0010_24_f_2022_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_140_33_20221014_00019.jpg



View of landside slope looking downstream. (Fall 2022)

LM Start	6.34	Rating **	U	Issue No.	18
LM End	6.34	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.788192 °	36.788192 °
				-120.209528 °	-120.209528 °
DWR ID	DWR_NA0010_24_f _ 2020_18				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings piled on the waterside berm.					

Photo 1 of 1 : FA_2022_NA0010_140_18_20220822_00006.jpg



Pruning pile left on the waterside toe. (Fall 2020)

LM Start	6.36	Rating **	M	Issue No.	34
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.788297 °	36.784563 °
				-120.209208 °	-120.203976 °
DWR ID	DWR_NA0010_24_f_2022_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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	6.73	Rating **	M	Issue No.	269
LM End	6.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.786632 °	36.786632 °
				-120.204733 °	-120.204733 °
DWR ID	19957				
Comment Code					
Inspector Comment					
DS_ID:19957 FS_ID:73635 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/20/2021 The record remains Non-Urgent. Limited inspection due to some vegetation covering LS pipe inlet, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The levee prism appears to be less than 3 feet. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)4/08/2014 Unauthorized PVC pipe through existitng 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) 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, (HLM 6.72)]. FS Date: 7/20/2021					

Photo 1 of 1 : UCIP_FA_2022_73635_102814.jpg



LS view: Closeup of pipe inlet at toe with vegetation overgrowth.

LM Start	6.86	Rating **	M	Issue No.	14
LM End	6.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.784716 °	36.784716 °
				-120.204043 °	-120.204043 °
DWR ID	DWR_NA0010_24_f_2020_14				
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_2022_NA0010_140_14_20220822_00005.jpg



Rodent burrow on the landside slope. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	7.08	Rating **	M	Issue No.	32
LM End	7.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.781972 °	36.779390 °
				-120.202101 °	-120.199065 °
DWR ID	DWR_NA0010_24_f_2022_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.33	Rating **	M	Issue No.	21
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.779416 °	36.779416 °
				-120.199091 °	-120.199091 °
DWR ID	DWR_NA0010_24_s_2021_21				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_140_21_20220822_00009.jpg



Tree limb fallen on the waterside slope. (Spring 2021)

LM Start	7.35	Rating **	U	Issue No.	10
LM End	7.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.779209 °	36.775267 °
				-120.198886 °	-120.193634 °
DWR ID	DWR_NA0010_24_f_2020_10				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_140_10_20220822_00003.jpg



View of the waterside slope looking downstream. (Fall 2020)

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	7.38	Rating **	M	Issue No.	19
LM End	7.38	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.778838 °	36.778838 °
				-120.198478 °	-120.198478 °
DWR ID	DWR_NA0010_24_s_2019_19				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0010_140_19_20220822_00007.jpg



View of tree and prunings left on waterside shoulder. (Spring 2019)

LM Start	7.64	Rating **	M	Issue No.	270
LM End	7.64	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.775949 °	36.775949 °
				-120.195636 °	-120.195636 °
DWR ID	19958				
Comment Code					
Inspector Comment					
DS_ID:19958 FS_ID:73636 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 07/20/2021 The record has been upgraded from No Action Needed to Non-Urgent. Limited inspection due to LS pipe inlet covered by sediment and WS flapgate covered by vegetation debris, recommend clearing out both sides. Levee prism appears to be less than 3 feet in height. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 12-inch corrugated metal gravity drainage pipe (CMP) through the levee, 2.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 7.63)]. FS Date: 7/20/2021					

Photo 1 of 2 : UCIP_FA_2022_73636_102830.jpg



LS view: Closeup of pipe inlet buried with sediment.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	7.64	Rating **	M	Issue No.	270 (cont)
LM End	7.64	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		36.775949 °	36.775949 °	
			-120.195636 °	-120.195636 °	
DWR ID	19958				

Photo 2 of 2 : UCIP_FA_2022_73636_102832.jpg



WS view: Closeup of flapgate at toe with vegetation debris.

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_2022_NA0010_140_11_20220822_00004.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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	8.16	Rating **	M	Issue No.	271	
LM End	8.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.776638 °	36.776638 °	
				-120.186738 °	-120.186738 °	
DWR ID	19959					
Comment Code						
Inspector Comment						
DS_ID:19959 FS_ID:73637 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 07/20/2021 The record is Non-Urgent. Possible WS headwall visible from the crown but inaccessible due to fences, limited inspection. Appears removed or abandoned due to no cobble outlet channel or outlet visible on the LS. LS end is completely flat and adjacent to a working farm. DWR DMP geophysical study did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Levee prism appears to be less than 3 feet in height. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) FIELD_STRUCT_DESC: 36-inch reinforced concrete gravity drainage pipe (RCP) through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the WS end. 10-foot cobble revetted outlet channel. [Additional Reference(s): DWR Levee Log, 2002, (HLM 8.16). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.15). DWR As-Built Specification No. 65-30, Sheet No. 14, 27 April 1965, (HLM 8.15)]. FS Date: 7/20/2021						

LM Start	8.16	Rating **	M	Issue No.	271 (cont)
LM End	8.16	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_73637_102857.jpg



Levee crown.

Photo 2 of 3 : UCIP_FA_2022_73637_102856.jpg



LS view: Top of a headwall barely visible behind fences from crown.

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	8.16	Rating **	M	Issue No.	271 (cont)
LM End	8.16	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.776638 °	36.776638 °	
			-120.186738 °	-120.186738 °	
DWR ID	19959				

Photo 3 of 3 : UCIP_FA_2022_73637_102858.jpg



WS view: Toe from crown, no pipe visible.

LM Start	8.33	Rating **	M	Issue No.	272
LM End	8.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.778084 °	36.778084 °	
			-120.184454 °	-120.184454 °	
DWR ID	19960				

Comment Code

Inspector Comment

DS_ID:19960
 FS_ID:73638
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 07/20/2021 The record remains Non-Urgent. WS outlet filled with sediment, recommend cleaning out. LS pipe inlet not found, likely buried under dirt, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Levee prism appears to be less than 3 feet in height. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 04/08/2014 Barbed wire along levee shoulder--no access. Need to confirm crossing size and condition of crossing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 12-inch reinforced concrete gravity drainage pipe (RCP) through the levee, 3.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002, (HLM 8.33). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 8.32). DWR As-Built Specification No. 65-30, Sheet No. 14, 27 April 1965, (HLM 8.32)].
 FS Date: 7/20/2021

Photo 1 of 2 : UCIP_FA_2022_73638_102864.jpg



LS view: Slope from toe, no pipe visible.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	09/28/2022 09/28/2022	Corey Fujitani

LM Start	8.33	Rating **	M	Issue No.	272 (cont)
LM End	8.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.778084 °	36.778084 °
				-120.184454 °	-120.184454 °
DWR ID	19960				

Photo 2 of 2 : UCIP_FA_2022_73638_102862.jpg



WS view: Closeup of flapgate and outlet filled with sediment at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable 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**

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)			A	
Date of Inspection	4/4/2022 - 4/4/2022		9/19/2022 - 9/19/2022	
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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

LM Start	0.01	Rating **	A	Issue No.	7
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296177 °	37.296177 °
				-120.880744 °	-120.880744 °
DWR ID	DWR_NA0010_25_f_2022_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0010_141_7_20221014_00002.jpg



View of vegetation management on the landside slope. (Fall 2022)

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	DWR UCIP LMA Responsibility			37.296038 °	37.296038 °	
				-120.880742 °	-120.880742 °	
DWR ID	19965					
Comment Code						
Inspector Comment						
DS_ID:19965 FS_ID:77386 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Landside (LS) pipe inlet has some vegetation and sediment buildup, recommend cleaning out. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 10.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.01). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.02). DWR As-Built Specification No. 59-01, Sheet No. 49, 10 December 1958, (HLM 0.02)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_77386_100683.jpg



LS view: Close up of pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.291173 °	37.291173 °	
				-120.880731 °	-120.880731 °	
DWR ID	19966					
Comment Code						
Inspector Comment						
DS_ID:19966 FS_ID:77387 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense LS vegetation over pipe inlet and headwall, recommend removal. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.36). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.35). DWR As-Built Specification No. 59-01, Sheet No. 49, 10 December 1958, (HLM 0.35)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_77387_100701.jpg



LS view: Headwall barely visible at toe due to 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID	19967				
Comment Code					
Inspector Comment					
DS_ID:19967 FS_ID:77388 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense LS vegetation, recommend removal around pipe inlet. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.58). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.58). DWR As-Built Specification No. 59-01, Sheet No. 49, 10 December 1958, (HLM 0.58)]. FS Date: 6/8/2021					

Photo 1 of 1 : UCIP_FA_2022_77388_100704.jpg



LS view: Headwall and inlet covered by dense vegetation at toe.

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

Levee Inspection Report By Mile - Fall 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	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	DWR UCIP LMA Responsibility			37.282252 °	37.282252 °
				-120.880738 °	-120.880738 °
DWR ID	19968				

Comment Code

Inspector Comment

DS_ID:19968
FS_ID:77389
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 06/8/2021 The record remains Non-Urgent. Dense LS vegetation over pipe inlet, recommend removal. Lots of small burrow holes all along the crown and along the sides, recommend filling in. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2002, (HLM 0.97). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 0.97). DWR As-Built Specification No. 59-01, Sheet No. 49, 10 December 1958, (HLM 0.97)].
FS Date: 6/8/2021

LM Start	0.97	Rating **	M	Issue No.	18 (cont)
LM End	0.97	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_77389_100718.jpg



Crown: Small burrow holes along the crown, 1 of 2 photos.

Photo 2 of 2 : UCIP_FA_2022_77389_100714.jpg



LS view: Close up of pipe inlet covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

LM Start	1.02	Rating **	C	Issue No.	8
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			37.281710 °	37.281710 °
				-120.880523 °	-120.880523 °
DWR ID	DWR_NA0010_25_s_2022_8				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.86	Rating **	A/W	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

* 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

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	DWR UCIP LMA Responsibility			37.277390 °	37.277390 °	
				-120.867184 °	-120.867184 °	
DWR ID	19969					
Comment Code						
Inspector Comment						
DS_ID:19969 FS_ID:77390 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 06/8/2021 The record remains Non-Urgent. Levee prism appears to be around or slightly less than 3 feet. Dense vegetation on LS pipe inlet, recommend removal. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI) 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 4.0 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.05). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.05). DWR As-Built Specification No. 59-01, Sheet No. 50, 10 December 1958, (HLM 2.05)]. FS Date: 6/8/2021						

Photo 1 of 1 : UCIP_FA_2022_77390_100732.jpg



LS view: Close up of pipe inlet at toe covered with 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

LM Start	2.45	Rating **	U	Issue No.	20	
LM End	2.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.271599 °	37.271599 °	
				-120.866819 °	-120.866819 °	
DWR ID	19970					
Comment Code						
Inspector Comment						
DS_ID:19970 FS_ID:77391 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 06/8/2021 Record has been upgraded from Non-Urgent to Urgent. External inspection in the field has found pipe integrity issues. WS pipe end is rusted with multiple large deteriorated holes under and around the flapgate. Rusting and peeling of metal and liner inside the LS pipe inlet. Also sediment buildup inside LS inlet, recommend cleaning out and recommend monitoring crossing until funding becomes available to address the issues. The UCIP inspection was completed with GEI staff, P. Espinoza. (H. Dunn – GEI)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe (CMP) through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2002, (HLM 2.45). USACE San Joaquin O&M Manual, Unit No. 601, Part No. 1, 1967, Amended in 1978, Revised 20 June 1985, (HLM 2.45). DWR As-Built Specification No. 59-01, Sheet No. 50, 10 December 1958, (HLM 2.45)]. FS Date: 6/8/2021						

LM Start	2.45	Rating **	U	Issue No.	20 (cont)
LM End	2.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_77391_100738.jpg



LS view: Inside of pipe inlet. Sediment buildup and rusted and peeling walls.

Photo 2 of 3 : UCIP_FA_2022_77391_100740.jpg



WS view: Deterioration of flapgate, 1 of 4 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 2022

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	09/19/2022 09/19/2022	Corey Fujitani

LM Start	2.45	Rating **	U	Issue No.	20 (cont)
LM End	2.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271599 °	37.271599 °
				-120.866819 °	-120.866819 °
DWR ID	19970				

Photo 3 of 3 : UCIP_FA_2022_77391_100743.jpg



WS view: Deterioration of pipe, 2 of 4 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
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