

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0010	Overall LMA Rating	Total LMA Miles						
Lower San Joaquin Levee District	U	191.27						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	34.13	0.30	35.33	18.47%				
Trim / Thin Trees	0.02	0.01	0.06	0.03%				
Encroachments	0.11		0.11	0.06%	1.51	2.64		
Animal Control	2.42	0.07	2.70	1.41%				
Slope Stability	0.70		0.70	0.37%				
Erosion / Bank Caving	0.13	0.36	1.57	0.82%				
Crown Surface / Depressions / Rutting	3.69	0.01	3.73	1.95%				
<i>Interior Drainage & Piping Systems</i>								
Erosion Areas		0.01	0.04	0.02%				
Flap Gates	0.01		0.01	0.01%				
<i>Supplemental</i>								
DWR UCIP Field Study					2.81	0.16		
<i>LMA Totals:</i>	41.21	0.76	44.25	23.13%	4.32	2.80	0.00	0.00

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
NA0010	M	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	3.48	0.03	3.60	15.99%				
Encroachments	0.01		0.01	0.04%	0.02	2.26		
Animal Control	0.19	0.02	0.27	1.20%				
Erosion / Bank Caving		0.01	0.04	0.18%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.04%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.66	0.05		
<i>Unit Totals:</i>	3.69	0.06	3.93	17.45%	0.68	2.31	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	4.60		4.60	58.45%				
Encroachments					0.01			
Erosion / Bank Caving		0.01	0.04	0.51%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.19			
<i>Unit Totals:</i>	4.60	0.01	4.64	58.96%	0.20	0.00	0.00	0.00

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 02B San Joaquin River LB		Overall Unit Rating	Total Unit Miles						
NA0010		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	
<i>Earthen Levee</i>									
Vegetation	0.01		0.01	0.17%					
Trim / Thin Trees	0.01		0.01	0.17%					
Encroachments	0.05		0.05	0.85%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.12				
<i>Unit Totals:</i>	0.07	0.00	0.07	1.18%	0.12	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	
<i>Earthen Levee</i>									
Vegetation	3.38		3.38	161.32%					
Animal Control	0.02		0.02	0.96%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	3.40	0.00	3.40	162.28%	0.03	0.00	0.00	0.00	
Unit No. 04 San Joaquin River LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	1.41						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	2.79		2.79	198.19%					
Encroachments					1.17				
<i>Supplemental</i>									
DWR UCIP Field Study					0.05				
<i>Unit Totals:</i>	2.79	0.00	2.79	198.19%	1.22	0.00	0.00	0.00	
Unit No. 05 East Side Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		A	34.85						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments	0.03		0.03	0.09%	0.23				
Animal Control	0.55		0.55	1.58%					
Slope Stability	0.01		0.01	0.03%					
Erosion / Bank Caving	0.12		0.12	0.34%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.63	0.02			
<i>Unit Totals:</i>	0.71	0.00	0.71	2.04%	0.86	0.02	0.00	0.00	

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 06 East Side Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		U	36.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	4.23		4.23	11.60%					
Trim / Thin Trees	0.01		0.01	0.03%					
Encroachments	0.01		0.01	0.03%	0.03	0.34			
Animal Control	0.62	0.02	0.70	1.92%					
Slope Stability	0.68		0.68	1.87%					
Erosion / Bank Caving		0.34	1.36	3.73%					
Crown Surface / Depressions / Rutting	1.21	0.01	1.25	3.43%					
<i>Interior Drainage & Piping Systems</i>									
Erosion Areas		0.01	0.04	0.11%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.49	0.01			
<i>Unit Totals:</i>	6.76	0.38	8.28	22.70%	0.52	0.35	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	
<i>Earthen Levee</i>									
Animal Control	0.06		0.06	1.66%					
<i>Interior Drainage & Piping Systems</i>									
Flap Gates	0.01		0.01	0.28%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.03	0.01			
<i>Unit Totals:</i>	0.07	0.00	0.07	1.94%	0.03	0.01	0.00	0.00	

Unit No. 08 Bear Creek Bypass LB		Overall Unit Rating	Total Unit Miles						
NA0010		A	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	0.23		0.23	6.34%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.06	0.01			
<i>Unit Totals:</i>	0.23	0.00	0.23	6.34%	0.06	0.01	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>Supplemental</i>									
DWR UCIP Field Study					0.02				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.02	0.00	0.00	0.00	

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 10 Owens Creek Bypass LB	Overall Unit Rating	Total Unit Miles						
NA0010	A	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>								
Encroachments						0.01		
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.01	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>								
Animal Control	0.01		0.01	0.30%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.30%	0.07	0.00	0.00	0.00
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>								
Animal Control	0.01		0.01	0.30%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.08			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.30%	0.08	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					0.01	0.01		
Animal Control	0.01		0.01	0.79%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.79%	0.03	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			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.78%	0.01	0.00	0.00	0.00

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 15 Berenda Slough RB	Overall Unit Rating	Total Unit Miles						
NA0010	A	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>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.02	0.00	0.00	0.00

Unit No. 16 Berenda Slough 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 *	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>								
Animal Control	0.02	0.01	0.06	3.06%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.02	0.01	0.06	3.06% *	0.01	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	9.35		9.35	58.11%				
Animal Control	0.38		0.38	2.36%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.05	0.01		
<i>Unit Totals:</i>	9.73	0.00	9.73	60.47%	0.05	0.01	0.00	0.00

Unit No. 18 Chowchilla Canal 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 *	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>								
Animal Control	0.03	0.01	0.07	0.46%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.01		
<i>Unit Totals:</i>	0.03	0.01	0.07	0.46% *	0.03	0.01	0.00	0.00

**Flood Control Project Maintenance
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Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 22A East Side Canal LB	Overall Unit Rating	Total Unit Miles	* 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 *	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
<i>Earthen Levee</i>								
Vegetation		0.01	0.04	0.73%				
Encroachments	0.01		0.01	0.18%	0.01			
Animal Control	0.26		0.26	4.72%				
Slope Stability	0.01		0.01	0.18%				
Erosion / Bank Caving	0.01		0.01	0.18%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.01		
<i>Unit Totals:</i>	0.29	0.01	0.33	5.99% *	0.04	0.01	0.00	0.00
Unit No. 23 San Joaquin River RB	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 *	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
<i>Earthen Levee</i>								
Vegetation	0.06	0.07	0.34	3.32%				
Trim / Thin Trees		0.01	0.04	0.39%				
Encroachments						0.02		
Animal Control		0.01	0.04	0.39%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.08	0.02		
<i>Unit Totals:</i>	0.06	0.09	0.42	4.10% *	0.08	0.04	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
<i>Earthen Levee</i>								
Vegetation	1.27	0.19	2.03	24.29%				
Encroachments					0.03			
Animal Control	0.02		0.02	0.24%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.06	0.01		
<i>Unit Totals:</i>	1.29	0.19	2.05	24.53%	0.09	0.01	0.00	0.00
Unit No. 25 Salt Slough RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	2.49						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	4.96		4.96	199.55%				
Crown Surface / Depressions / Rutting	2.47		2.47	99.37%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.06			
<i>Unit Totals:</i>	7.43	0.00	7.43	298.93%	0.06	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	22.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/18/2015 - 05/22/2015		10/05/2015 - 10/09/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

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									
Action/Comments										
Inspector Comments: 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									
Action/Comments										
Inspector Comments: 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									
Action/Comments										
Inspector Comments: 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 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
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Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	1185
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.348637 °	37.348637 °
				-120.958834 °	-120.958834 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39091

DS_ID:19650

EP_NO: N/A

FS_HLM: 0.002

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 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.

FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.02).

FS Date: 04/08/2014

LM Start	0.00	Rating **	M	Issue No.	1185 (cont)
LM End	0.00	Issue Type +	En	Location *	N/A

Photo 1 of 3 : UCIP_FA_2015_3927.jpg



Flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3928.jpg



Flapgate on WS toe.

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

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Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	1185 (cont)
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.348637 °	37.348637 °
				-120.958834 °	-120.958834 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39091					
DS_ID:19650					
EP_NO: N/A					
FS_HLM: 0.002					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3929.jpg



Headwall on LS toe.

LM Start	0.05	Rating **	M	Issue No.	4
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348223 °	37.347282 °
				-120.959593 °	-120.960470 °
DWR ID	DWR_NA0010_01_s _ 2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.05	Rating **	A/W	Issue No.	3
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348222 °	37.328627 °
				-120.959598 °	-120.934388 °
DWR ID	DWR_NA0010_01_s _ 2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.06	Rating **	C	Issue No.	98
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.348157 °	37.348157 °
				-120.959658 °	-120.959658 °
DWR ID	DWR_NA0010_01_f _ 2014_98				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs due to fire along levee slope.					

No Photos

LM Start	0.14	Rating **	A/W	Issue No.	7
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.347152 °	37.347152 °
				-120.960560 °	-120.960560 °
DWR ID	DWR_NA0010_01_s_2012_7				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	0.19	Rating **	C	Issue No.	99
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.346582 °	37.346582 °
				-120.961052 °	-120.961052 °
DWR ID	DWR_NA0010_01_f_2014_99				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs on landward 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	1
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.346152 °	37.343935 °
				-120.961402 °	-120.962536 °
DWR ID	DWR_NA0010_01_s_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Typical view of several rodent holes on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_118_1_20150914_00001.jpg



Looking at typical rodent holes on landward slope.

LM Start	0.34	Rating **	M	Issue No.	1186
LM End	0.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.344705 °	37.344705 °
				-120.962176 °	-120.962176 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39092 DS_ID:19651 EP_NO: N/A FS_HLM: 0.352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 18.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.35). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_3930.jpg



Flapgate and headwall visible off WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.34	Rating **	M	Issue No.	1186 (cont)
LM End	0.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.344705 °	37.344705 °
				-120.962176 °	-120.962176 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39092
 DS_ID:19651
 EP_NO: N/A
 FS_HLM: 0.352
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity.
 FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 18.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.35).
 FS Date: 04/08/2014

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

Photo 2 of 3 : UCIP_FA_2015_3931.jpg



Pipe and headwall visible off LS toe.

Photo 3 of 3 : UCIP_FA_2015_3932.jpg



Flapgate and headwall visible off WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.60	Rating **	M	Issue No.	1187
LM End	0.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.341507 °	37.341507 °
				-120.961283 °	-120.961283 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39095 DS_ID:19583 EP_NO: N/A FS_HLM: 0.617 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3933.jpg



Pipe and headwall visible on LS toe.

Photo 2 of 3 : UCIP_FA_2015_3934.jpg



Flapgate and headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.60	Rating **	M	Issue No.	1187 (cont)
LM End	0.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.341507 °	37.341507 °
				-120.961283 °	-120.961283 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39095 DS_ID:19583 EP_NO: N/A FS_HLM: 0.617 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3935.jpg



Flapgate and headwall visible on WS toe.

LM Start	0.93	Rating **	M	Issue No.	1188
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.339598 °	37.339598 °
				-120.957202 °	-120.957202 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39096					
DS_ID:19585					
EP_NO: N/A					
FS_HLM: 0.943					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7-feet below the crown. Flap gate on the waterward end. Brass cap No. 108					
BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.95).					
FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4212.jpg



Concrete headwall and pipe visible at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	1188 (cont)
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.339598 °	37.339598 °
				-120.957202 °	-120.957202 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39096
 DS_ID:19585
 EP_NO: N/A
 FS_HLM: 0.943
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7-feet
 below the crown. Flap gate on the waterward end. Brass cap No. 108
 BM on headwall on the landward side. (USACE-1967). This entry
 matches the Drainage or Irrigation Structure referenced in O&M manual
 (HLM 0.95).
 FS Date: 04/08/2014

LM Start	0.93	Rating **	M	Issue No.	1188 (cont)
LM End	0.93	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4213.jpg



Flapgate, pipe, and headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4214.jpg



Flapgate, pipe, and headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	1.45	Rating **	M	Issue No.	1189
LM End	1.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336866 °	37.336866 °
				-120.948520 °	-120.948520 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39099					
DS_ID:19588					
EP_NO: N/A					
FS_HLM: 1.474					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.45	Rating **	M	Issue No.	1189 (cont)
LM End	1.45	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4239.jpg



Pipe and concrete headwall visible on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4240.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	1.45	Rating **	M	Issue No.	1189 (cont)
LM End	1.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336866 °	37.336866 °
				-120.948520 °	-120.948520 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39099					
DS_ID:19588					
EP_NO: N/A					
FS_HLM: 1.474					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4241.jpg



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

LM Start	1.67	Rating **	M	Issue No.	1190
LM End	1.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336459 °	37.336459 °
				-120.944803 °	-120.944803 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33563					
DS_ID:19589					
EP_NO: N/A					
FS_HLM: 1.685					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy sediment buildup in pipe at LS toe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the					
levee, 13.6 feet below the crown. Flap gate on the waterward end.					
Brass cap No. 100 BM on headwall on the landward side. (USACE-					
1967). This entry matches the Drainage or Irrigation Structure					
referenced in O&M manual (HLM 1.69).					
FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4242.jpg



Pipe, headwall, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	1.67	Rating **	M	Issue No.	1190 (cont)
LM End	1.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336459 °	37.336459 °
				-120.944803 °	-120.944803 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33563
 DS_ID:19589
 EP_NO: N/A
 FS_HLM: 1.685
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Heavy sediment buildup in pipe at LS toe.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end.
 Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69).
 FS Date: 04/08/2014

LM Start	1.67	Rating **	M	Issue No.	1190 (cont)
LM End	1.67	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4243.jpg



Pipe and headwall visible on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4244.jpg



Pipe, headwall, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	1.95	Rating **	M	Issue No.	1191
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.334377 °	37.334377 °
				-120.940397 °	-120.940397 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39100					
DS_ID:19591					
EP_NO: N/A					
FS_HLM: 1.973					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4245.jpg



Concrete headwall and flapgate on WS toe.

LM Start	1.95	Rating **	M	Issue No.	1191 (cont)
LM End	1.95	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4246.jpg



Wooded barrier around drop-inlet on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	1.95	Rating **	M	Issue No.	1191 (cont)
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.334377 °	37.334377 °
				-120.940397 °	-120.940397 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39100					
DS_ID:19591					
EP_NO: N/A					
FS_HLM: 1.973					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4247.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	2.05	Rating **	M	Issue No.	1192
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.333653 °	37.333653 °
				-120.938770 °	-120.938770 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39123 DS_ID:19570 EP_NO: N/A FS_HLM: 2.076 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.8 feet below the crown. Flap gate on waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.08). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4248.jpg



Wooded barrier around drop-inlet on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	1192 (cont)
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.333653 °	37.333653 °
				-120.938770 °	-120.938770 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39123 DS_ID:19570 EP_NO: N/A FS_HLM: 2.076 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.8 feet below the crown. Flap gate on waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.08). FS Date: 04/08/2014					

Photo 2 of 3 : UCIP_FA_2015_4249.jpg



Pipe and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4250.jpg



Pipe and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	2.67	Rating **	M	Issue No.	1193
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.327362 °	37.327362 °
				-120.931591 °	-120.931591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39127 DS_ID:19573 EP_NO: N/A FS_HLM: 2.694 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	2.67	Rating **	M	Issue No.	1193 (cont)
LM End	2.67	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4327.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4328.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	2.67	Rating **	M	Issue No.	1193 (cont)
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.327362 °	37.327362 °
				-120.931591 °	-120.931591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39127					
DS_ID:19573					
EP_NO: N/A					
FS_HLM: 2.694					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4329.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	3.13	Rating **	M	Issue No.	1194
LM End	3.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.321444 °	37.321444 °
				-120.928764 °	-120.928764 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39128					
DS_ID:19574					
EP_NO: N/A					
FS_HLM: 3.156					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some minor erosion around headwall on LS toe.					
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 8-feet below the crown. Flap gate on the waterward end. Brass cap No. 100					
BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.16).					
FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4330.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.13	Rating **	M	Issue No.	1194 (cont)
LM End	3.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.321444 °	37.321444 °
				-120.928764 °	-120.928764 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39128 DS_ID:19574 EP_NO: N/A FS_HLM: 3.156 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some minor erosion around headwall on LS toe. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 8-feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.16). FS Date: 04/08/2014					

LM Start	3.13	Rating **	M	Issue No.	1194 (cont)
LM End	3.13	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4331.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4332.jpg



Pipe, Flapgate, and headwall on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.16	Rating **	M	Issue No.	10
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.321053 °	37.321053 °
				-120.928785 °	-120.928785 °
DWR ID	DWR_NA0010_01_s _ 2012_10				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes noted in this section.					

Photo 1 of 1 : FA_2015_NA0010_118_10_20150914_00009.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	3.47	Rating **	U	Issue No.	1195
LM End	3.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.317116 °	37.317116 °
				-120.926451 °	-120.926451 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39130					
DS_ID:19575					
EP_NO: N/A					
FS_HLM: 3.492					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 36-inch CM pipe, through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.50).					
FS Date: 04/08/2014					

Photo 1 of 2 : UCIP_FA_2015_4333.jpg



Pipe and headwall on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.47	Rating **	U	Issue No.	1195 (cont)
LM End	3.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.317116 °	37.317116 °
				-120.926451 °	-120.926451 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39130
DS_ID:19575
EP_NO: N/A
FS_HLM: 3.492
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 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.
FIELD_STRUCT_DESC: 36-inch CM pipe, through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.50).
FS Date: 04/08/2014

Photo 2 of 2 : UCIP_FA_2015_4334.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	3.47	Rating **	U	Issue No.	1179
LM End	3.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.317057 °	37.317057 °
				-120.926443 °	-120.926443 °
DWR ID	DWR_NA0010_01_s _ 2015_1179				

Action/Comments

Note and monitor erosion site.
Inspector Comments: Several erosions greater than three inches on landward slope.

Photo 1 of 3 : FA_2015_NA0010_118_1179_20150914_00028.jpg



Looking south at erosion on landward slope and toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.47	Rating **	U	Issue No.	1179 (cont)
LM End	3.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.317057 °	37.317057 °
				-120.926443 °	-120.926443 °
DWR ID	DWR_NA0010_01_s _ 2015_1179				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Several erosions greater than three inches on landward slope.					

Photo 2 of 3 : FA_2015_NA0010_118_1179_20150914_00029.jpg



Looking southwest at erosion on landward slope and toe.

LM Start	3.47	Rating **	U	Issue No.	1179 (cont)
LM End	3.47	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2015_NA0010_118_1179_20150914_00030.jpg



Looking west at erosion on landward slope and toe.

LM Start	3.50	Rating **	A/W	Issue No.	17
LM End	3.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting				°
					°
DWR ID	DWR_NA0010_01_f _ 2012_17				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.70	Rating **	M	Issue No.	2
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.313892 °	37.313598 °
				-120.926507 °	-120.926607 °
DWR ID	DWR_NA0010_01_s _ 2012_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.92	Rating **	M	Issue No.	1196
LM End	3.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.311178 °	37.311178 °
				-120.927007 °	-120.927007 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39132 DS_ID:19576 EP_NO: N/A FS_HLM: 3.95 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch CM irrigation pipe through the levee, 3.5 feet below the crown. Slidegate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.95). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4335.jpg



Slide gate missing on WS toe with heavy vegetation camouflaging pipe

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.92	Rating **	M	Issue No.	1196 (cont)
LM End	3.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.311178 °	37.311178 °
				-120.927007 °	-120.927007 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39132 DS_ID:19576 EP_NO: N/A FS_HLM: 3.95 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch CM irrigation pipe through the levee, 3.5 feet below the crown. Slidegate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.95). FS Date: 04/08/2014					

Photo 2 of 3 : UCIP_FA_2015_4336.jpg



Concrete headwall in heavy vegetation at LS toe.

Photo 3 of 3 : UCIP_FA_2015_4337.jpg



Slide gate missing on WS toe with heavy vegetation camouflaging pipe

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	3.93	Rating **	M	Issue No.	1197
LM End	3.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.311157 °	37.311157 °
				-120.926919 °	-120.926919 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39133					
DS_ID:19606					
EP_NO: N/A					
FS_HLM: 3.955					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	3.93	Rating **	M	Issue No.	1197 (cont)
LM End	3.93	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_4338.jpg



12-inch concrete standpipe off LS toe.

Photo 2 of 2 : UCIP_FA_2015_4339.jpg



12-inch concrete standpipe off WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

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				
Action/Comments					
Ditch					
Inspector Comments: Irrigation ditch at landside toe					

Photo 1 of 2 : FA_2015_NA0010_118_5_20150914_00002.jpg



Looking north at irrigation ditch at landside toe.

LM Start	3.98	Rating **	U	Issue No.	5 (cont)
LM End	4.05	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_118_5_20150914_00003.jpg



Looking south at irrigation ditch at landside toe.

LM Start	4.13	Rating **	M	Issue No.	1198
LM End	4.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.309080 °	37.309080 °
				-120.924442 °	-120.924442 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39134 DS_ID:19607 EP_NO: N/A FS_HLM: 4.158 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4340.jpg



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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.13	Rating **	M	Issue No.	1198 (cont)
LM End	4.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.309080 °	37.309080 °
				-120.924442 °	-120.924442 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39134 DS_ID:19607 EP_NO: N/A FS_HLM: 4.158 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 48-inch CM stormdrain pipe through the levee, 14.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.16). FS Date: 04/08/2014					

LM Start	4.13	Rating **	M	Issue No.	1198 (cont)
LM End	4.13	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4341.jpg



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

Photo 3 of 3 : UCIP_FA_2015_4342.jpg



Assumed pipe exists under pump at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.13	Rating **	M	Issue No.	1199
LM End	4.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.309063 °	37.309063 °
				-120.924449 °	-120.924449 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39138 DS_ID:24866 EP_NO: N/A FS_HLM: 4.159 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	4.13	Rating **	M	Issue No.	1199 (cont)
LM End	4.13	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_6122.jpg



Pipe through existing 48 inch pipe.

Photo 2 of 2 : UCIP_FA_2015_6123.jpg



View of pipe visible on landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.13	Rating **	M	Issue No.	100
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.309049 °	37.309049 °
				-120.924421 °	-120.924421 °
DWR ID	DWR_NA0010_01_f _ 2014_100				
Action/Comments					
Garbage					
Inspector Comments: Old PVC pipes left on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_118_100_20150914_00021.jpg



Looking east at old pvc pipes on landward slope.

LM Start	4.18	Rating **	U	Issue No.	6
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.308540 °	37.308540 °
				-120.924003 °	-120.924003 °
DWR ID	DWR_NA0010_01_s_2012_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted in this section.					

Photo 1 of 2 : FA_2015_NA0010_118_6_20151012_00033.jpg



Looking at typical rodent holes within the section (Fall 2015)

LM Start	4.18	Rating **	U	Issue No.	6 (cont)
LM End	4.18	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_118_6_20150914_00004.jpg



Looking at typical rodent holes within this section. (Spring 2015)

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.25	Rating **	M	Issue No.	1200
LM End	4.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39140					
DS_ID:19608					
EP_NO: N/A					
FS_HLM: 4.273					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	4.25	Rating **	M	Issue No.	1200 (cont)
LM End	4.25	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4415.jpg



Pipe, flapgate, and headwall visible at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4416.jpg



Pipe, flapgate, and headwall visible at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.25	Rating **	M	Issue No.	1200 (cont)
LM End	4.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39140 DS_ID:19608 EP_NO: N/A FS_HLM: 4.273 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4417.jpg



Concrete headwall at LS toe.

LM Start	4.69	Rating **	M	Issue No.	1201
LM End	4.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302408 °	37.302408 °
				-120.920931 °	-120.920931 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39141 DS_ID:19609 EP_NO: N/A FS_HLM: 4.718 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.72). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4418.jpg



Pipe and concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.69	Rating **	M	Issue No.	1201 (cont)
LM End	4.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302408 °	37.302408 °
				-120.920931 °	-120.920931 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39141 DS_ID:19609 EP_NO: N/A FS_HLM: 4.718 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.72). FS Date: 04/08/2014					

LM Start	4.69	Rating **	M	Issue No.	1201 (cont)
LM End	4.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4419.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4420.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	4.69	Rating **	U	Issue No.	9
LM End	4.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.302398 °	37.302398 °
				-120.920920 °	-120.920920 °
DWR ID	DWR_NA0010_01_s _ 2013_9				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Levee landward toe damaged by livestock.					

Photo 1 of 1 : FA_2015_NA0010_118_9_20151012_00034.jpg



Looking at landward slope damaged by livestock.

LM Start	5.02	Rating **	M	Issue No.	1202
LM End	5.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298917 °	37.298917 °
				-120.917262 °	-120.917262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39143 DS_ID:19610 EP_NO: N/A FS_HLM: 5.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional -- sediment buildup against flapgate and inlet buried at landward side. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.05). FS Date: 04/08/2014					

Photo 1 of 2 : UCIP_FA_2015_4421.jpg



Flapgate and headwall visible at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	5.02	Rating **	M	Issue No.	1202 (cont)
LM End	5.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298917 °	37.298917 °
				-120.917262 °	-120.917262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39143 DS_ID:19610 EP_NO: N/A FS_HLM: 5.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional -- sediment buildup against flapgate and inlet buried at landward side. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.05). FS Date: 04/08/2014					

Photo 2 of 2 : UCIP_FA_2015_4422.jpg



Flapgate and headwall visible at WS toe.

LM Start	5.72	Rating **	A/W	Issue No.	116
LM End	5.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.304057 °	37.304057 °
				-120.907200 °	-120.907200 °
DWR ID	DWR_NA0010_01_s_2012_116				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large rodent holes on landside slope near fence pole have been repaired. Monitor area for new activity.					

Photo 1 of 3 : FA_2015_NA0010_118_116_20150914_00022.jpg



Looking east at one of several rodent holes on landside shoulder 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	5.72	Rating **	A/W	Issue No.	116 (cont)
LM End	5.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.304057 °	37.304057 °
				-120.907200 °	-120.907200 °
DWR ID	DWR_NA0010_01_s _ 2012_116				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large rodent holes on landside slope near fence pole have been repaired. Monitor area for new activity.					

Photo 2 of 3 : FA_2015_NA0010_118_116_20150914_00023.jpg



Looking south at repaired rodent site on landside slope. (Fall 2012)

Photo 3 of 3 : FA_2015_NA0010_118_116_20150914_00024.jpg



Looking northeast at one of several holes on landside shoulder and slope.

LM Start	5.87	Rating **	M	Issue No.	93
LM End	6.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.302156 °	37.302156 °
				-120.888031 °	-120.888031 °
DWR ID	DWR_NA0010_01_f _ 2015_93				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	5.87	Rating **	M	Issue No.	92
LM End	6.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.303555 °	37.302156 °
				-120.904541 °	-120.888030 °
DWR ID	DWR_NA0010_01_f _ 2015_92				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.92	Rating **	M	Issue No.	1203
LM End	5.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.303612 °	37.303612 °
				-120.903704 °	-120.903704 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39151 DS_ID:19611 EP_NO: N/A FS_HLM: 5.953 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.95). FS Date: 04/08/2014					

Photo 1 of 2 : UCIP_FA_2015_4493.jpg



Top of concrete headwall just visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	5.92	Rating **	M	Issue No.	1203 (cont)
LM End	5.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.303612 °	37.303612 °
				-120.903704 °	-120.903704 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39151					
DS_ID:19611					
EP_NO: N/A					
FS_HLM: 5.953					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.95).					
FS Date: 04/08/2014					

Photo 2 of 2 : UCIP_FA_2015_4494.jpg



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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.09	Rating **	M	Issue No.	1204
LM End	6.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.304232 °	37.304232 °
				-120.900706 °	-120.900706 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39152

DS_ID:19612

EP_NO: N/A

FS_HLM: 6.128

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 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.

FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 13.1 feet below the crown. Walkway to slidegate on LS toe at concrete headwall. Flap gate at concrete headwall on the WS toe. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). Pipe crosses levee at an angle to levee alignment. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13).

FS Date: 04/08/2014

Photo 1 of 3 : UCIP_FA_2015_4495.jpg



Flapgate on concrete headwall at WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.09	Rating **	M	Issue No.	1204 (cont)
LM End	6.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.304232 °	37.304232 °
				-120.900706 °	-120.900706 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39152

DS_ID:19612

EP_NO: N/A

FS_HLM: 6.128

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 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.

FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 13.1 feet below the crown. Walkway to slidegate on LS toe at concrete headwall. Flap gate at concrete headwall on the WS toe. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). Pipe crosses levee at an angle to levee alignment. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13).

FS Date: 04/08/2014

Photo 2 of 3 : UCIP_FA_2015_4496.jpg



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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.09	Rating **	M	Issue No.	1204 (cont)	
LM End	6.09	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.304232 °	37.304232 °	
				-120.900706 °	-120.900706 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39152 DS_ID:19612 EP_NO: N/A FS_HLM: 6.128 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 13.1 feet below the crown. Walkway to slidegate on LS toe at concrete headwall. Flap gate at concrete headwall on the WS toe. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). Pipe crosses levee at an angle to levee alignment. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 04/08/2014						

Photo 3 of 3 : UCIP_FA_2015_4533.jpg



Slidegate at LS toe.

LM Start	6.39	Rating **	M	Issue No.	1205
LM End	6.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.304459 °	37.304459 °
				-120.895863 °	-120.895863 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39154 DS_ID:19613 EP_NO: N/A FS_HLM: 6.42 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end next to 48-inch concrete riser with walkway over its top. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.40). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4534.jpg



Pipe, flapgate, and concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.39	Rating **	M	Issue No.	1205 (cont)
LM End	6.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.304459 °	37.304459 °
				-120.895863 °	-120.895863 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39154
 DS_ID:19613
 EP_NO: N/A
 FS_HLM: 6.42
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end next to 48-inch concrete riser with walkway over its top. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.40).
 FS Date: 04/08/2014

LM Start	6.39	Rating **	M	Issue No.	1205 (cont)
LM End	6.39	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4535.jpg



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

Photo 3 of 3 : UCIP_FA_2015_4536.jpg



Pipe, flapgate, and concrete headwall on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.61	Rating **	U	Issue No.	1206
LM End	6.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.303815 °	37.303815 °
				-120.891955 °	-120.891955 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41134 DS_ID:19614 EP_NO: N/A FS_HLM: 6.65 Repair Type: Urgent Crossing Status: Found					

LM Start	6.61	Rating **	U	Issue No.	1206 (cont)
LM End	6.61	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4537.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4538.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.61	Rating **	U	Issue No.	1206 (cont)
LM End	6.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.303815 °	37.303815
				-120.891955 °	-120.891955
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41134 DS_ID:19614 EP_NO: N/A FS_HLM: 6.65 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4539.jpg



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

LM Start	6.86	Rating **	U	Issue No.	1207
LM End	6.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302098 °	37.302098 °
				-120.887943 °	-120.887943 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42850 DS_ID:19615 EP_NO: N/A FS_HLM: 6.897 Repair Type: Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 10.3 feet below the crown. Slidegate on LS toe and a Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 04/08/2014					

Photo 1 of 2 : UCIP_FA_2015_4540.jpg



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

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	6.86	Rating **	U	Issue No.	1207 (cont)
LM End	6.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302098 °	37.302098
				-120.887943 °	-120.887943
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42850 DS_ID:19615 EP_NO: N/A FS_HLM: 6.897 Repair Type: Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 10.3 feet below the crown. Slidegate on LS toe and a Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 04/08/2014					

Photo 2 of 2 : UCIP_FA_2015_4541.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	7.18	Rating **	M	Issue No.	1208
LM End	7.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42851 DS_ID:19616 EP_NO: N/A FS_HLM: 7.213 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 5.1 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.21). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4542.jpg



Pipe, concrete headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	7.18	Rating **	M	Issue No.	1208 (cont)
LM End	7.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42851 DS_ID:19616 EP_NO: N/A FS_HLM: 7.213 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 5.1 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.21). FS Date: 04/08/2014					

Photo 2 of 3 : UCIP_FA_2015_4543.jpg



Pipe and Concrete headwall visible on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4544.jpg



Flapgate and concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	7.29	Rating **	M	Issue No.	1209
LM End	7.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299931 °	37.299931 °
				-120.880947 °	-120.880947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39160					
DS_ID:19617					
EP_NO: 4425					
FS_HLM: 7.324					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	7.29	Rating **	M	Issue No.	1209 (cont)
LM End	7.29	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4545.jpg



20-inch concrete standpipe off LS toe.

Photo 2 of 3 : UCIP_FA_2015_4546.jpg



5'X7' concrete box riser on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	7.29	Rating **	M	Issue No.	1209 (cont)
LM End	7.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299931 °	37.299931 °
				-120.880947 °	-120.880947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39160					
DS_ID:19617					
EP_NO: 4425					
FS_HLM: 7.324					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4547.jpg



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

LM Start	7.42	Rating **	M	Issue No.	1210
LM End	7.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39161 DS_ID:19618 EP_NO: N/A FS_HLM: 7.458 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.46). FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4548.jpg



Pipe and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	7.42	Rating **	M	Issue No.	1210 (cont)
LM End	7.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39161 DS_ID:19618 EP_NO: N/A FS_HLM: 7.458 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.46). FS Date: 04/08/2014					

LM Start	7.42	Rating **	M	Issue No.	1210 (cont)
LM End	7.42	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4549.jpg



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

Photo 3 of 3 : UCIP_FA_2015_4550.jpg



Pipe and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	7.65	Rating **	M	Issue No.	1211
LM End	7.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299211 °	37.299211 °
				-120.874415 °	-120.874415 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39243 DS_ID:19619 EP_NO: N/A FS_HLM: 7.69 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	7.65	Rating **	M	Issue No.	1211 (cont)
LM End	7.65	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4551.jpg



Flapgate and headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4552.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	7.65	Rating **	M	Issue No.	1211 (cont)
LM End	7.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299211 °	37.299211 °
				-120.874415 °	-120.874415 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39243 DS_ID:19619 EP_NO: N/A FS_HLM: 7.69 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4553.jpg



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

LM Start	8.03	Rating **	M	Issue No.	1212
LM End	8.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39244 DS_ID:19620 EP_NO: N/A FS_HLM: 8.072 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.07). FS Date: 04/09/2014					

Photo 1 of 3 : UCIP_FA_2015_4554.jpg



Pipe, Headwall, and flapgate at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.03	Rating **	M	Issue No.	1212 (cont)
LM End	8.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39244 DS_ID:19620 EP_NO: N/A FS_HLM: 8.072 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.07). FS Date: 04/09/2014					

LM Start	8.03	Rating **	M	Issue No.	1212 (cont)
LM End	8.03	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4555.jpg



Pipe and concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4556.jpg



Pipe, Headwall, and flapgate at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.38	Rating **	M	Issue No.	1213
LM End	8.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39245 DS_ID:19621 EP_NO: N/A FS_HLM: 8.421 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	8.38	Rating **	M	Issue No.	1213 (cont)
LM End	8.38	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4557.jpg



Concrete headwall, pipe, and flapgate at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4558.jpg



Pipe and concrete headwall at LS toe. Note 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.38	Rating **	M	Issue No.	1213 (cont)
LM End	8.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39245 DS_ID:19621 EP_NO: N/A FS_HLM: 8.421 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4559.jpg



Concrete headwall, pipe, and flapgate at WS toe.

LM Start	8.89	Rating **	M	Issue No.	1214
LM End	8.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39247 DS_ID:19623 EP_NO: N/A FS_HLM: 8.938 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.1 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.93). FS Date: 04/09/2014					

Photo 1 of 3 : UCIP_FA_2015_4641.jpg



Pipe and headwall visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.89	Rating **	M	Issue No.	1214 (cont)
LM End	8.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39247 DS_ID:19623 EP_NO: N/A FS_HLM: 8.938 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.1 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.93). FS Date: 04/09/2014					

Photo 2 of 3 : UCIP_FA_2015_4642.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4678.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.97	Rating **	U	Issue No.	1215
LM End	8.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297423 °	37.297423 °
				-120.851575 °	-120.851575 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39248					
DS_ID:19624					
EP_NO: 12156					
FS_HLM: 9.01					
Repair Type: Urgent					
Crossing Status: Found					

LM Start	8.97	Rating **	U	Issue No.	1215 (cont)
LM End	8.97	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4679.jpg



Slidegate and headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4680.jpg



Metal walkway to slidegate operator on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.97	Rating **	U	Issue No.	1215 (cont)
LM End	8.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297423 °	37.297423 °
				-120.851575 °	-120.851575 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39248					
DS_ID:19624					
EP_NO: 12156					
FS_HLM: 9.01					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4681.jpg



Slidegate rusted through and open on WS toe.

LM Start	8.97	Rating **	M	Issue No.	1216
LM End	8.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297425 °	37.297425 °
				-120.851522 °	-120.851522 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39249 DS_ID:19625 EP_NO: N/A FS_HLM: 9.013 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.00). FS Date: 04/09/2014					

Photo 1 of 3 : UCIP_FA_2015_4682.jpg



Pipe and headwall visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.97	Rating **	M	Issue No.	1216 (cont)
LM End	8.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297425 °	37.297425
				-120.851522 °	-120.851522
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39249 DS_ID:19625 EP_NO: N/A FS_HLM: 9.013 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.00). FS Date: 04/09/2014					

LM Start	8.97	Rating **	M	Issue No.	1216 (cont)
LM End	8.97	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4683.jpg



Pipe and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4684.jpg



Pipe and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.99	Rating **	M	Issue No.	1217
LM End	8.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297488 °	37.297488 °
				-120.851157 °	-120.851157 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39250					
DS_ID:19626					
EP_NO: N/A					
FS_HLM: 9.034					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	8.99	Rating **	M	Issue No.	1217 (cont)
LM End	8.99	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_4685.jpg



Pipe, concrete headwall, and flapgate at WS toe.

Photo 2 of 2 : UCIP_FA_2015_4686.jpg



Heavy vegetation on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	8.99	Rating **	M	Issue No.	12
LM End	9.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297508 °	37.293801 °
				-120.851103 °	-120.839759 °
DWR ID	DWR_NA0010_01_f _ 2015_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	9.03	Rating **	M	Issue No.	94
LM End	9.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297380 °	37.293801 °
				-120.850388 °	-120.839759 °
DWR ID	DWR_NA0010_01_f_2015_94				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	9.16	Rating **	A/W	Issue No.	117
LM End	9.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.296145 °	37.293077 °
				-120.848588 °	-120.839170 °
DWR ID	DWR_NA0010_01_s_2012_117				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 3 : FA_2015_NA0010_118_117_20150914_00025.jpg



Looking south at typical view of vegetation on levee 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	9.16	Rating **	A/W	Issue No.	117 (cont)
LM End	9.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.296145 °	37.293077 °
				-120.848588 °	-120.839170 °
DWR ID	DWR_NA0010_01_s_2012_117				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 2 of 3 : FA_2015_NA0010_118_117_20150914_00026.jpg



Looking south at levee crown. (Fall 2013)

LM Start	9.16	Rating **	A/W	Issue No.	117 (cont)
LM End	9.78	Issue Type +	Ma	Location *	CR

Photo 3 of 3 : FA_2015_NA0010_118_117_20150914_00027.jpg



Looking south at vegetation on levee crown. (Spring 2013)

LM Start	9.34	Rating **	M	Issue No.	1218
LM End	9.34	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.295413 °	37.295413 °
				-120.845664 °	-120.845664 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39251 DS_ID:19627 EP_NO: N/A FS_HLM: 9.382 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4687.jpg



Concrete drop-inlet installed on pipe at LS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	9.34	Rating **	M	Issue No.	1218 (cont)
LM End	9.34	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.295413 °	37.295413 °
				-120.845664 °	-120.845664 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39251 DS_ID:19627 EP_NO: N/A FS_HLM: 9.382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.6 feet below the crown. Concrete drop-inlet installed at LS toe. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.37). FS Date: 04/09/2014					

Photo 2 of 3 : UCIP_FA_2015_4688.jpg



Pipe and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4689.jpg



Headwall, Pipe, and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	9.57	Rating **	M	Issue No.	14
LM End	9.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.295517 °	37.295517 °
				-120.841452 °	-120.841452 °
DWR ID	DWR_NA0010_01_s_2015_14				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Depression greater than 3" deep by 18" wide by 18" long on levee crown					

LM Start	9.57	Rating **	M	Issue No.	14 (cont)
LM End	9.57	Issue Type +	Ma	Location *	CR

LM Start	9.57	Rating **	M	Issue No.	14 (cont)
LM End	9.57	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : FA_2015_NA0010_118_14_20151012_00035.jpg



Looking at depression on levee crown. (Fall 2015)

Photo 2 of 3 : FA_2015_NA0010_118_14_20150914_00011.jpg



Looking west at depression greater than three inches on levee crown.

Photo 3 of 3 : FA_2015_NA0010_118_14_20150914_00012.jpg



Looking west at depression on levee 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	10.20	Rating **	M	Issue No.	1219
LM End	10.20	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.287511 °	37.287511 °
				-120.840251 °	-120.840251 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39253					
DS_ID:19629					
EP_NO: N/A					
FS_HLM: 10.243					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	10.20	Rating **	M	Issue No.	1219 (cont)
LM End	10.20	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4690.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4691.jpg



Pipe and headwall at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	10.20	Rating **	M	Issue No.	1219 (cont)
LM End	10.20	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.287511 °	37.287511 °
				-120.840251 °	-120.840251 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39253 DS_ID:19629 EP_NO: N/A FS_HLM: 10.243 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4692.jpg



Pipe, headwall, and flapgate at WS toe.

LM Start	10.98	Rating **	M	Issue No.	1220
LM End	10.98	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.282627 °	37.282627 °
				-120.828233 °	-120.828233 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39255 DS_ID:19632 EP_NO: N/A FS_HLM: 11.028 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 66 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.00). FS Date: 04/09/2014					

Photo 1 of 3 : UCIP_FA_2015_4693.jpg



Pipe, headwall, and flapgate on WS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	10.98	Rating **	M	Issue No.	1220 (cont)
LM End	10.98	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.282627 °	37.282627 °
				-120.828233 °	-120.828233 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39255
 DS_ID:19632
 EP_NO: N/A
 FS_HLM: 11.028
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Dense vegetation blocks landward headwall.
 Recommend removing excess vegetation on landward toe.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 66 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.00).
 FS Date: 04/09/2014

LM Start	10.98	Rating **	M	Issue No.	1220 (cont)
LM End	10.98	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4694.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4695.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	1221
LM End	11.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273787 °	37.273787 °
				-120.825519 °	-120.825519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36103					
DS_ID:19634					
EP_NO: N/A					
FS_HLM: 11.49					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	11.49	Rating **	M	Issue No.	1221 (cont)
LM End	11.49	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_5380.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_5381.jpg



Inside view of pipe from waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	1221 (cont)
LM End	11.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273787 °	37.273787 °
				-120.825519 °	-120.825519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36103					
DS_ID:19634					
EP_NO: N/A					
FS_HLM: 11.49					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5382.jpg



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

LM Start	11.78	Rating **	M	Issue No.	1222
LM End	11.78	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.269701 °	37.269701 °
				-120.826450 °	-120.826450 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36105 DS_ID:19635 EP_NO: N/A FS_HLM: 11.78 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 17.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 61 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.76). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_5383.jpg



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

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	11.78	Rating **	M	Issue No.	1222 (cont)
LM End	11.78	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.269701 °	37.269701 °
				-120.826450 °	-120.826450 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36105 DS_ID:19635 EP_NO: N/A FS_HLM: 11.78 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 17.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 61 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.76). FS Date: 04/25/2014					

Photo 2 of 3 : UCIP_FA_2015_5384.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5385.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	12.12	Rating **	M	Issue No.	1223
LM End	12.12	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265336 °	37.265336 °
				-120.826591 °	-120.826591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36106 DS_ID:19636 EP_NO: N/A FS_HLM: 12.12 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5386.jpg



View of landward side.

LM Start	12.12	Rating **	M	Issue No.	1223 (cont)
LM End	12.12	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_5387.jpg



View of waterward side--flap gate visible on waterward 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	12.12	Rating **	M	Issue No.	1223 (cont)
LM End	12.12	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265336 °	37.265336 °
				-120.826591 °	-120.826591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36106 DS_ID:19636 EP_NO: N/A FS_HLM: 12.12 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5388.jpg



Flap gate and concrete headwall visible on waterward side.

LM Start	12.95	Rating **	M	Issue No.	1224
LM End	12.95	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256873 °	37.256873 °
				-120.821277 °	-120.821277 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36146 DS_ID:19637 EP_NO: N/A FS_HLM: 12.95 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.94). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4867.jpg



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

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	12.95	Rating **	M	Issue No.	1224 (cont)
LM End	12.95	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256873 °	37.256873 °
				-120.821277 °	-120.821277 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36146 DS_ID:19637 EP_NO: N/A FS_HLM: 12.95 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.94). FS Date: 04/25/2014					

Photo 2 of 3 : UCIP_FA_2015_4868.jpg



Flap gate and concrete headwall visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_4869.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	13.49	Rating **	M	Issue No.	1225
LM End	13.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251590 °	37.251590 °
				-120.814354 °	-120.814354 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36109 DS_ID:19638 EP_NO: N/A FS_HLM: 13.49 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	13.49	Rating **	M	Issue No.	1225 (cont)
LM End	13.49	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_5438.jpg



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

Photo 2 of 3 : UCIP_FA_2015_5439.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	13.49	Rating **	M	Issue No.	1225 (cont)
LM End	13.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251590 °	37.251590 °
				-120.814354 °	-120.814354 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36109 DS_ID:19638 EP_NO: N/A FS_HLM: 13.49 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5440.jpg



View of waterward side.

LM Start	13.59	Rating **	M	Issue No.	1226
LM End	13.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250138 °	37.250138 °
				-120.814720 °	-120.814720 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39256					
DS_ID:19639					
EP_NO: N/A					
FS_HLM: 13.59					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.58).					
FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4870.jpg



Concrete headwall visible from landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	13.59	Rating **	M	Issue No.	1226 (cont)
LM End	13.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250138 °	37.250138 °
				-120.814720 °	-120.814720 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39256 DS_ID:19639 EP_NO: N/A FS_HLM: 13.59 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.58). FS Date: 04/25/2014					

Photo 2 of 3 : UCIP_FA_2015_4871.jpg



Dense vegetation on waterward side.

Photo 3 of 3 : UCIP_FA_2015_4872.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	13.82	Rating **	M	Issue No.	1227
LM End	13.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.247568 °	37.247568 °
				-120.817074 °	-120.817074 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36544 DS_ID:19640 EP_NO: N/A FS_HLM: 13.83 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 1 : UCIP_FA_2015_4801.jpg



Indicators of crossing visible from aerial photograph.

LM Start	14.22	Rating **	M	Issue No.	1228
LM End	14.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36166 DS_ID:19641 EP_NO: N/A FS_HLM: 14.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.21). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4873.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	14.22	Rating **	M	Issue No.	1228 (cont)
LM End	14.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36166 DS_ID:19641 EP_NO: N/A FS_HLM: 14.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.21). FS Date: 04/25/2014					

Photo 2 of 3 : UCIP_FA_2015_4874.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_4978.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	14.65	Rating **	M	Issue No.	1229
LM End	14.65	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.237584 °	37.237584 °
				-120.812967 °	-120.812967 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36167 DS_ID:19642 EP_NO: N/A FS_HLM: 14.66 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	14.65	Rating **	M	Issue No.	1229 (cont)
LM End	14.65	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4979.jpg



Concrete headwall located on landward toe.

Photo 2 of 3 : UCIP_FA_2015_4980.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	14.65	Rating **	M	Issue No.	1229 (cont)
LM End	14.65	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.237584 °	37.237584 °
				-120.812967 °	-120.812967 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36167 DS_ID:19642 EP_NO: N/A FS_HLM: 14.66 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4981.jpg



View of waterward side.

LM Start	15.29	Rating **	M	Issue No.	1230
LM End	15.29	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36168 DS_ID:19643 EP_NO: N/A FS_HLM: 15.3 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.29). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4982.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	15.29	Rating **	M	Issue No.	1230 (cont)
LM End	15.29	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36168 DS_ID:19643 EP_NO: N/A FS_HLM: 15.3 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.29). FS Date: 04/25/2014					

Photo 2 of 3 : UCIP_FA_2015_4983.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_4984.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	15.58	Rating **	M	Issue No.	1231
LM End	15.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.228155 °	37.228155 °
				-120.802645 °	-120.802645 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36169					
DS_ID:19644					
EP_NO: N/A					
FS_HLM: 15.58					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4985.jpg



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

LM Start	15.58	Rating **	M	Issue No.	1231 (cont)
LM End	15.58	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4986.jpg



View of waterward slope covered by dense vegetation.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	15.58	Rating **	M	Issue No.	1231 (cont)
LM End	15.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.228155 °	37.228155
				-120.802645 °	-120.802645
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36169					
DS_ID:19644					
EP_NO: N/A					
FS_HLM: 15.58					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4987.jpg



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

LM Start	15.82	Rating **	M	Issue No.	1232
LM End	15.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226099 °	37.226099 °
				-120.799125 °	-120.799125 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36171 DS_ID:19645 EP_NO: N/A FS_HLM: 15.82 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.81). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4988.jpg



Side view of pipe and flap gate on waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	15.82	Rating **	M	Issue No.	1232 (cont)
LM End	15.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226099 °	37.226099 °
				-120.799125 °	-120.799125 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36171 DS_ID:19645 EP_NO: N/A FS_HLM: 15.82 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.81). FS Date: 04/25/2014					

LM Start	15.82	Rating **	M	Issue No.	1232 (cont)
LM End	15.82	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4989.jpg



Flap gate visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_4990.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	16.09	Rating **	M	Issue No.	1233
LM End	16.09	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224157 °	37.224157 °
				-120.795250 °	-120.795250 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36172					
DS_ID:19646					
EP_NO: N/A					
FS_HLM: 16.09					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	16.09	Rating **	M	Issue No.	1233 (cont)
LM End	16.09	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4991.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_4992.jpg



Flap gate visible on waterward 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	16.09	Rating **	M	Issue No.	1233 (cont)
LM End	16.09	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224157 °	37.224157 °
				-120.795250 °	-120.795250 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36172					
DS_ID:19646					
EP_NO: N/A					
FS_HLM: 16.09					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4993.jpg



View of waterward side.

LM Start	16.15	Rating **	M	Issue No.	1234
LM End	16.15	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39257 DS_ID:19647 EP_NO: N/A FS_HLM: 16.16 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.15). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4994.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	16.15	Rating **	M	Issue No.	1234 (cont)
LM End	16.15	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39257
DS_ID:19647
EP_NO: N/A
FS_HLM: 16.16
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 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.
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.15).
FS Date: 04/25/2014

LM Start	16.15	Rating **	M	Issue No.	1234 (cont)
LM End	16.15	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4995.jpg



Crossing visible on waterward side under dense vegetation.

Photo 3 of 3 : UCIP_FA_2015_4996.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	16.72	Rating **	M	Issue No.	1235
LM End	16.72	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39258					
DS_ID:19648					
EP_NO: N/A					
FS_HLM: 16.732					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	16.72	Rating **	M	Issue No.	1235 (cont)
LM End	16.72	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4802.jpg



View of flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_4803.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	16.72	Rating **	M	Issue No.	1235 (cont)
LM End	16.72	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39258 DS_ID:19648 EP_NO: N/A FS_HLM: 16.732 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4804.jpg



View of waterward side.

LM Start	16.72	Rating **	M	Issue No.	1236
LM End	16.72	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39360 DS_ID:24870 EP_NO: N/A FS_HLM: 16.732 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status and reason for crossing. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee at an unknown depth. Concrete standpipe visible on landward side. FS Date: 04/25/2014					

Photo 1 of 2 : UCIP_FA_2015_6418.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	16.72	Rating **	M	Issue No.	1236 (cont)
LM End	16.72	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39360 DS_ID:24870 EP_NO: N/A FS_HLM: 16.732 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status and reason for crossing. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee at an unknown depth. Concrete standpipe visible on landward side. FS Date: 04/25/2014					

Photo 2 of 2 : UCIP_FA_2015_6419.jpg



View of pipe located on waterward side.

LM Start	17.01	Rating **	M	Issue No.	1237
LM End	17.01	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39259 DS_ID:19577 EP_NO: N/A FS_HLM: 17.02 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.01). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_3766.jpg



View of landward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	17.01	Rating **	M	Issue No.	1237 (cont)
LM End	17.01	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39259 DS_ID:19577 EP_NO: N/A FS_HLM: 17.02 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.01). FS Date: 04/25/2014					

Photo 2 of 3 : UCIP_FA_2015_3767.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_3768.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	17.19	Rating **	M	Issue No.	1238
LM End	17.19	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219302 °	37.219302 °
				-120.779475 °	-120.779475 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39260					
DS_ID:19578					
EP_NO: N/A					
FS_HLM: 17.2					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	17.19	Rating **	M	Issue No.	1238 (cont)
LM End	17.19	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_5326.jpg



Flap gate visible on waterward toe.

Photo 2 of 3 : UCIP_FA_2015_5327.jpg



Pipe visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	17.19	Rating **	M	Issue No.	1238 (cont)
LM End	17.19	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219302 °	37.219302 °
				-120.779475 °	-120.779475 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39260 DS_ID:19578 EP_NO: N/A FS_HLM: 17.2 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5328.jpg



View of waterward side.

LM Start	17.26	Rating **	M	Issue No.	1239
LM End	17.26	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.218332 °	37.218332 °
				-120.779459 °	-120.779459 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36203 DS_ID:19579 EP_NO: N/A FS_HLM: 17.26 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.26). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_5330.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	17.26	Rating **	M	Issue No.	1239 (cont)
LM End	17.26	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.218332 °	37.218332 °
				-120.779459 °	-120.779459 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36203 DS_ID:19579 EP_NO: N/A FS_HLM: 17.26 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.26). FS Date: 04/25/2014					

LM Start	17.26	Rating **	M	Issue No.	1239 (cont)
LM End	17.26	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_5331.jpg



Pipe visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_5336.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	17.26	Rating **	M	Issue No.	16
LM End	17.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.218251 °	37.218251 °
				-120.779461 °	-120.779461 °
DWR ID	DWR_NA0010_01_s _ 2015_16				
Action/Comments					
Tree or limb					
Inspector Comments: Discard downed tree limbs on landward toe.					

No Photos

LM Start	17.52	Rating **	M	Issue No.	1240
LM End	17.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.215976 °	37.215976 °
				-120.777615 °	-120.777615 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36204					
DS_ID:19580					
EP_NO: N/A					
FS_HLM: 17.53					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.53).					
FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_5333.jpg



View of landward side--riser at levee toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	17.52	Rating **	M	Issue No.	1240 (cont)
LM End	17.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.215976 °	37.215976 °
				-120.777615 °	-120.777615 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36204 DS_ID:19580 EP_NO: N/A FS_HLM: 17.53 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.53). FS Date: 04/25/2014					

LM Start	17.52	Rating **	M	Issue No.	1240 (cont)
LM End	17.52	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5334.jpg



Flap gate visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_5335.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	18.18	Rating **	M	Issue No.	1241
LM End	18.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.210998 °	37.210998 °
				-120.768900 °	-120.768900 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39261 DS_ID:19581 EP_NO: N/A FS_HLM: 18.19 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	18.18	Rating **	M	Issue No.	1241 (cont)
LM End	18.18	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5329.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5332.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	18.18	Rating **	M	Issue No.	1241 (cont)
LM End	18.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.210998 °	37.210998 °
				-120.768900 °	-120.768900 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39261					
DS_ID:19581					
EP_NO: N/A					
FS_HLM: 18.19					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5337.jpg



View of waterward side.

LM Start	18.77	Rating **	M	Issue No.	27
LM End	18.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.205080 °	37.205080 °
				-120.762655 °	-120.762655 °
DWR ID	DWR_NA0010_01_s_2014_27				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0010_118_27_20150914_00017.jpg



Looking at prunings on waterward shoulder and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	18.78	Rating **	M	Issue No.	1242
LM End	18.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.204966 °	37.204966 °
				-120.762511 °	-120.762511 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36246 DS_ID:19593 EP_NO: N/A FS_HLM: 18.79 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.79). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_3769.jpg



Overview of landward side.

Photo 2 of 3 : UCIP_FA_2015_3770.jpg



Overview of levee crown and waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	18.78	Rating **	M	Issue No.	1242 (cont)
LM End	18.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.204966 °	37.204966 °
				-120.762511 °	-120.762511 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36246					
DS_ID:19593					
EP_NO: N/A					
FS_HLM: 18.79					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5359.jpg



View of waterward side.

LM Start	19.17	Rating **	M	Issue No.	1243
LM End	19.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202801 °	37.202801 °
				-120.756209 °	-120.756209 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39263 DS_ID:19594 EP_NO: N/A FS_HLM: 19.18 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Slide gate on the waterward slope. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.17). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_3771.jpg



View of waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	19.17	Rating **	M	Issue No.	1243 (cont)
LM End	19.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202801 °	37.202801 °
				-120.756209 °	-120.756209 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39263 DS_ID:19594 EP_NO: N/A FS_HLM: 19.18 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Slide gate on the waterward slope. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.17). FS Date: 04/25/2014					

LM Start	19.17	Rating **	M	Issue No.	1243 (cont)
LM End	19.17	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3772.jpg



View of waterward slope. CMP riser and pipe visible.

Photo 3 of 3 : UCIP_FA_2015_5434.jpg



Inside view 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	19.32	Rating **	M	Issue No.	1244
LM End	19.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200921 °	37.200921 °
				-120.756901 °	-120.756901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39266					
DS_ID:24871					
EP_NO: N/A					
FS_HLM: 19.321					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	19.32	Rating **	M	Issue No.	1244 (cont)
LM End	19.32	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5888.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2015_5889.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	19.32	Rating **	M	Issue No.	1244 (cont)
LM End	19.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200921 °	37.200921 °
				-120.756901 °	-120.756901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39266 DS_ID:24871 EP_NO: N/A FS_HLM: 19.321 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5890.jpg



View of waterward slope.

LM Start	19.32	Rating **	M	Issue No.	1245
LM End	19.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.756928 °	-120.756928 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39267 DS_ID:24872 EP_NO: N/A FS_HLM: 19.322 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel pipe through levee at an unknown depth. Pump station located on landward side. Electrical panel located on landward side. FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_5891.jpg



View of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	19.32	Rating **	M	Issue No.	1245 (cont)
LM End	19.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.756928 °	-120.756928 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39267 DS_ID:24872 EP_NO: N/A FS_HLM: 19.322 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel pipe through levee at an unknown depth. Pump station located on landward side. Electrical panel located on landward side. FS Date: 04/25/2014					

LM Start	19.32	Rating **	M	Issue No.	1245 (cont)
LM End	19.32	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5892.jpg



View of levee crown at crossings.

Photo 3 of 3 : UCIP_FA_2015_5916.jpg



View of landward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	19.53	Rating **	M	Issue No.	1246
LM End	19.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.199427 °	37.199427 °
				-120.760235 °	-120.760235 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39268					
DS_ID:19596					
EP_NO: N/A					
FS_HLM: 19.54					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5435.jpg



View of landward slope.

LM Start	19.53	Rating **	M	Issue No.	1246 (cont)
LM End	19.53	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5436.jpg



Flap gate visible on waterward side--potential erosion present 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	19.53	Rating **	M	Issue No.	1246 (cont)
LM End	19.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.199427 °	37.199427 °
				-120.760235 °	-120.760235 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39268					
DS_ID:19596					
EP_NO: N/A					
FS_HLM: 19.54					
Repair Type: Non-Urgent					
Crossing Status: Found					

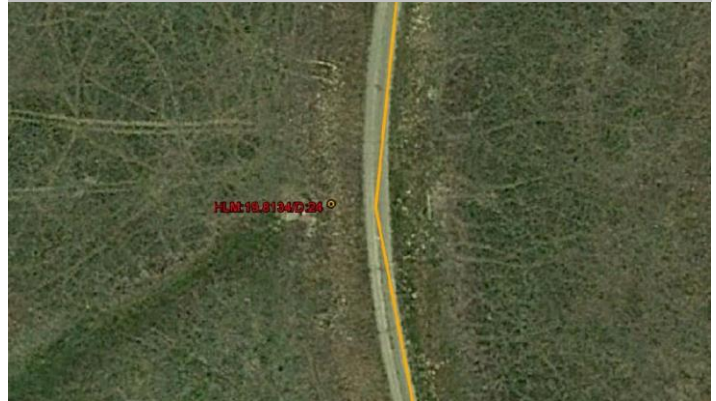
Photo 3 of 3 : UCIP_FA_2015_5437.jpg



View of waterward side.

LM Start	19.81	Rating **	M	Issue No.	1247
LM End	19.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.197502 °	37.197502 °
				-120.764045 °	-120.764045 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36253					
DS_ID:19597					
EP_NO: N/A					
FS_HLM: 19.81					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No photos available for crossing--crossing missed.					
Recommend taking photos to confirm status of crossing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.81).					
FS Date: 04/25/2014					

Photo 1 of 1 : UCIP_FA_2015_5454.jpg



Indicators that a crossing is still present through the levee. Flap gate should be in 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.18	Rating **	M	Issue No.	1248
LM End	20.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39269 DS_ID:19598 EP_NO: N/A FS_HLM: 20.18 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.18). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_5455.jpg



Enter photo 3 description or comment here.

LM Start	20.18	Rating **	M	Issue No.	1248 (cont)
LM End	20.18	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5456.jpg



Enter photo 2 description or comment here.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.18	Rating **	M	Issue No.	1248 (cont)
LM End	20.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39269					
DS_ID:19598					
EP_NO: N/A					
FS_HLM: 20.18					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5457.jpg



Enter photo 1 description or comment here.

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

Photo 1 of 2 : FA_2015_NA0010_118_1184_20150914_00031.jpg



Looking north at ramp cut into landward slope.

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

Photo 2 of 2 : FA_2015_NA0010_118_1184_20150914_00032.jpg



Looking east at ramp cut into landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.26	Rating **	M	Issue No.	1249
LM End	20.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193550 °	37.193550 °
				-120.760284 °	-120.760284 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39285 DS_ID:24873 EP_NO: N/A FS_HLM: 20.272 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	20.26	Rating **	M	Issue No.	1249 (cont)
LM End	20.26	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5495.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5496.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.26	Rating **	M	Issue No.	1249 (cont)
LM End	20.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193550 °	37.193550
				-120.760284 °	-120.760284
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39285					
DS_ID:24873					
EP_NO: N/A					
FS_HLM: 20.272					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5497.jpg



Outlet visible on waterward side.

LM Start	20.27	Rating **	U	Issue No.	1250
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39270					
DS_ID:19599					
EP_NO: N/A					
FS_HLM: 20.27					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Unauthorized crossing through pipe. Line was pushed through existing crossing. Need to contact owner. Also sediment buildup in pipe visible from landward side--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 5.0 feet below the crown. Flap gate on the waterward end.					
FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4911.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.27	Rating **	U	Issue No.	1250 (cont)
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39270
 DS_ID:19599
 EP_NO: N/A
 FS_HLM: 20.27
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Unauthorized crossing through pipe. Line was pushed through existing crossing. Need to contact owner. Also sediment buildup in pipe visible from landward side--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 5.0 feet below the crown. Flap gate on the waterward end.
 FS Date: 04/25/2014

LM Start	20.27	Rating **	U	Issue No.	1250 (cont)
LM End	20.27	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4912.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_4913.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	1251
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39286					
DS_ID:24874					
EP_NO: N/A					
FS_HLM: 20.274					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5494.jpg



Outlets visible on waterward side.

LM Start	20.27	Rating **	M	Issue No.	1251 (cont)
LM End	20.27	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5917.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	1251 (cont)
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39286 DS_ID:24874 EP_NO: N/A FS_HLM: 20.274 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5918.jpg



View of waterward side.

LM Start	20.27	Rating **	M	Issue No.	1252
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39878 DS_ID:19600 EP_NO: N/A FS_HLM: 20.273 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.27). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4914.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	1252 (cont)
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39878
 DS_ID:19600
 EP_NO: N/A
 FS_HLM: 20.273
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition.
 FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.27).
 FS Date: 04/25/2014

LM Start	20.27	Rating **	M	Issue No.	1252 (cont)
LM End	20.27	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4915.jpg



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

Photo 3 of 3 : UCIP_FA_2015_4916.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	20.28	Rating **	U	Issue No.	20
LM End	22.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.193426 °	37.172663 °
				-120.760419 °	-120.754894 °
DWR ID	DWR_NA0010_01_f_2012_20				
Action/Comments					
Agricultural tilling					
Inspector Comments: Farmer cutting into landside toe and slope.					

Photo 1 of 2 : FA_2015_NA0010_118_20_20150914_00013.jpg



Looking east at farmer discing into landside slope.

LM Start	20.28	Rating **	U	Issue No.	20 (cont)
LM End	22.01	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_118_20_20150914_00014.jpg



Looking west at farmer discing landside slope.

LM Start	21.32	Rating **	U	Issue No.	8
LM End	21.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.180109 °	37.179711 °
				-120.762154 °	-120.761884 °
DWR ID	DWR_NA0010_01_f_2015_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation on waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_118_8_20151012_00036.jpg



Looking at dense vegetation on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	21.40	Rating **	M	Issue No.	1253
LM End	21.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179065 °	37.179065 °
				-120.761567 °	-120.761567 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39271 DS_ID:19603 EP_NO: N/A FS_HLM: 21.4 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.40). FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4917.jpg



View of landward side.

LM Start	21.40	Rating **	M	Issue No.	1253 (cont)
LM End	21.40	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4918.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	21.40	Rating **	M	Issue No.	1253 (cont)
LM End	21.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179065 °	37.179065 °
				-120.761567 °	-120.761567 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39271 DS_ID:19603 EP_NO: N/A FS_HLM: 21.4 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4919.jpg



Flap gate half way submersed located on waterward side.

LM Start	21.75	Rating **	M	Issue No.	1254
LM End	21.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.176106 °	37.176106 °
				-120.756768 °	-120.756768 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39272					
DS_ID:19604					
EP_NO: N/A					
FS_HLM: 21.76					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.76).					
FS Date: 04/25/2014					

Photo 1 of 3 : UCIP_FA_2015_5493.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	21.75	Rating **	M	Issue No.	1254 (cont)
LM End	21.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.176106 °	37.176106 °
				-120.756768 °	-120.756768 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39272

DS_ID:19604

EP_NO: N/A

FS_HLM: 21.76

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 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.

FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.76).

FS Date: 04/25/2014

LM Start	21.75	Rating **	M	Issue No.	1254 (cont)
LM End	21.75	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5599.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5600.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	22.06	Rating **	U	Issue No.	22
LM End	22.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.172074 °	37.166983 °
				-120.754628 °	-120.750127 °
DWR ID	DWR_NA0010_01_s _ 2012_22				
Action/Comments					
Ditch					
Inspector Comments: Ditch has encroach into landward toe and slope.					

LM Start	22.06	Rating **	U	Issue No.	22 (cont)
LM End	22.51	Issue Type +	En	Location *	LS

LM Start	22.06	Rating **	U	Issue No.	22 (cont)
LM End	22.51	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2015_NA0010_118_22_20151012_00037.jpg



Looking downstream at irrigation ditch at LM 22.06

Photo 2 of 3 : FA_2015_NA0010_118_22_20150914_00015.jpg



Looking downstream at irrigation ditch at landside toe.

Photo 3 of 3 : FA_2015_NA0010_118_22_20150914_00016.jpg



Looking upstream at irrigation at landside toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	22.12	Rating **	M	Issue No.	1255
LM End	22.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39273 DS_ID:19605 EP_NO: N/A FS_HLM: 22.13 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	22.12	Rating **	M	Issue No.	1255 (cont)
LM End	22.12	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5601.jpg



Flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5602.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	10/05/2015 10/09/2015	Richard Willoughby

LM Start	22.12	Rating **	M	Issue No.	1255 (cont)
LM End	22.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39273 DS_ID:19605 EP_NO: N/A FS_HLM: 22.13 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5603.jpg



View of waterward side.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02A San Joaquin River			Left	7.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/22/2015 - 05/22/2015		10/09/2015 - 10/09/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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:

- completion of the inspection
- any changes other than the results of normal maintenance
- 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	27
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296305 °	
				-120.880567 °	
DWR ID	DWR_NA0010_02A_f_2015_27				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_119_27_20151012_00007.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	28
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296305 °	°
				-120.880567 °	°
DWR ID	DWR_NA0010_02A_f_2015_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_119_28_20151012_00008.jpg



Looking at typical view of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	265
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.293440 °	37.293440 °
				-120.878978 °	-120.878978 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36503 DS_ID:19652 EP_NO: N/A FS_HLM: 0.24 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 139 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.24). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5677.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5678.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	265 (cont)
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.293440 °	37.293440 °
				-120.878978 °	-120.878978 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36503					
DS_ID:19652					
EP_NO: N/A					
FS_HLM: 0.24					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5679.jpg



View of waterward side.

LM Start	0.66	Rating **	M	Issue No.	266
LM End	0.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288087 °	37.288087 °
				-120.874919 °	-120.874919 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36504 DS_ID:19653 EP_NO: N/A FS_HLM: 0.67 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 138 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.67). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5680.jpg



Concrete headwall found on landward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.66	Rating **	M	Issue No.	266 (cont)
LM End	0.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288087 °	37.288087 °
				-120.874919 °	-120.874919 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36504 DS_ID:19653 EP_NO: N/A FS_HLM: 0.67 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 138 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.67). FS Date: 05/01/2014					

Photo 2 of 3 : UCIP_FA_2015_5681.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5682.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.75	Rating **	U	Issue No.	5
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.286877 °	37.286877 °
				-120.874222 °	-120.874222 °
DWR ID	DWR_NA0010_02A_s _ 2012_5				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: A field investigation report in on file. For more information and pictures see field investigation report #4301.					

Photo 1 of 3 : FA_2015_NA0010_119_5_20150914_00003.jpg



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

LM Start	0.75	Rating **	U	Issue No.	5 (cont)
LM End	0.75	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2015_NA0010_119_5_20150914_00004.jpg



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

LM Start	0.75	Rating **	U	Issue No.	5 (cont)
LM End	0.75	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2015_NA0010_119_5_20150914_00005.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.01	Rating **	M	Issue No.	267
LM End	1.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.284889 °	37.284889 °
				-120.871352 °	-120.871352 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39363					
DS_ID:19654					
EP_NO: N/A					
FS_HLM: 1.02					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.01	Rating **	M	Issue No.	267 (cont)
LM End	1.01	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5683.jpg



Flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5684.jpg



Pipe visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.01	Rating **	M	Issue No.	267 (cont)
LM End	1.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.284889 °	37.284889 °
				-120.871352 °	-120.871352 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39363					
DS_ID:19654					
EP_NO: N/A					
FS_HLM: 1.02					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5685.jpg



View of waterward side.

LM Start	1.21	Rating **	M	Issue No.	268
LM End	1.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.286118 °	37.286118 °
				-120.868167 °	-120.868167 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36506 DS_ID:19655 EP_NO: N/A FS_HLM: 1.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 136 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.22). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5686.jpg



Overview of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.21	Rating **	M	Issue No.	268 (cont)	
LM End	1.21	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.286118 °	37.286118 °	
				-120.868167 °	-120.868167 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:36506 DS_ID:19655 EP_NO: N/A FS_HLM: 1.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 136 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.22). FS Date: 05/01/2014						

Photo 2 of 3 : UCIP_FA_2015_5687.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5688.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.33	Rating **	M	Issue No.	269
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.286463 °	37.286463 °
				-120.865997 °	-120.865997 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36507					
DS_ID:19656					
EP_NO: N/A					
FS_HLM: 1.34					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.33	Rating **	M	Issue No.	269 (cont)
LM End	1.33	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5709.jpg



Flap gate and concrete apron visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5710.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.33	Rating **	M	Issue No.	269 (cont)
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.286463 °	37.286463 °
				-120.865997 °	-120.865997 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36507 DS_ID:19656 EP_NO: N/A FS_HLM: 1.34 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5711.jpg



View of landward side.

LM Start	1.61	Rating **	M	Issue No.	270
LM End	1.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288599 °	37.288599 °
				-120.862007 °	-120.862007 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36508 DS_ID:19657 EP_NO: N/A FS_HLM: 1.62 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5712.jpg



Enter photo 3 description or comment here.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.61	Rating **	M	Issue No.	270 (cont)
LM End	1.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288599 °	37.288599 °
				-120.862007 °	-120.862007 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36508 DS_ID:19657 EP_NO: N/A FS_HLM: 1.62 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 05/01/2014					

LM Start	1.61	Rating **	M	Issue No.	270 (cont)
LM End	1.61	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5713.jpg



Dense vegetation along levee slope and toe.

Photo 3 of 3 : UCIP_FA_2015_5714.jpg



Overview of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.85	Rating **	M	Issue No.	271
LM End	1.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.290836 °	37.290836 °
				-120.858882 °	-120.858882 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36509 DS_ID:19658 EP_NO: N/A FS_HLM: 1.86 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	1.85	Rating **	M	Issue No.	271 (cont)
LM End	1.85	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5715.jpg



Inside view of pipe from landward side.

Photo 2 of 3 : UCIP_FA_2015_5716.jpg



Concrete headwall visible on landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.85	Rating **	M	Issue No.	271 (cont)
LM End	1.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.290836 °	37.290836 °
				-120.858882 °	-120.858882 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36509 DS_ID:19658 EP_NO: N/A FS_HLM: 1.86 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5717.jpg



View of landward side.

LM Start	2.28	Rating **	M	Issue No.	272
LM End	2.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291686 °	37.291686 °
				-120.851475 °	-120.851475 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36510 DS_ID:19659 EP_NO: N/A FS_HLM: 2.3 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.30). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5718.jpg



View of pipe through levee 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.28	Rating **	M	Issue No.	272 (cont)
LM End	2.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291686 °	37.291686 °
				-120.851475 °	-120.851475 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36510 DS_ID:19659 EP_NO: N/A FS_HLM: 2.3 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.30). FS Date: 05/01/2014					

Photo 2 of 3 : UCIP_FA_2015_5719.jpg



Concrete headwall visible on landward side.

Photo 3 of 3 : UCIP_FA_2015_5720.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.30	Rating **	A	Issue No.	25
LM End	8.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_NA0010_02A_f_2015_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_119_25_20151012_00009.jpg



Looking at typical view of landward slope.

LM Start	2.30	Rating **	A	Issue No.	26	
LM End	8.87	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation					°
						°
DWR ID	DWR_NA0010_02A_f_2015_26					
Action/Comments						
Remove the wild growth other than native grasses from the levee slopes.						

Photo 1 of 1 : FA_2015_NA0010_119_26_20151012_00010.jpg



Looking at typical view of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.30	Rating **	M	Issue No.	273
LM End	2.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291532 °	37.291532 °
				-120.851203 °	-120.851203 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36511 DS_ID:19660 EP_NO: N/A FS_HLM: 2.32 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.32). FS Date: 05/01/2014					

LM Start	2.30	Rating **	M	Issue No.	273 (cont)
LM End	2.30	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4931.jpg



Flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_4932.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.30	Rating **	M	Issue No.	273 (cont)
LM End	2.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291532 °	37.291532 °
				-120.851203 °	-120.851203 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36511					
DS_ID:19660					
EP_NO: N/A					
FS_HLM: 2.32					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4933.jpg



Overview of landward slope.

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				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on landside and waterside slope.					

Photo 1 of 2 : FA_2015_NA0010_119_2_20150914_00001.jpg



Looking northeast at unauthorized ramp on landward slope.

LM Start	2.32	Rating **	M	Issue No.	2 (cont)
LM End	2.32	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_119_2_20150914_00002.jpg



Looking northwest at unauthorized ramp on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	274
LM End	2.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.289487 °	37.289487 °
				-120.846941 °	-120.846941 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36512 DS_ID:19661 EP_NO: N/A FS_HLM: 2.59 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4934.jpg



Non-functional crossing concrete headwall and inlet buried on landward side.

LM Start	2.58	Rating **	M	Issue No.	274 (cont)
LM End	2.58	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4935.jpg



Concrete headwall visible on landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	274 (cont)
LM End	2.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.289487 °	37.289487 °
				-120.846941 °	-120.846941 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36512					
DS_ID:19661					
EP_NO: N/A					
FS_HLM: 2.59					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4936.jpg



View of landward side.

LM Start	2.95	Rating **	M	Issue No.	275
LM End	2.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.284326 °	37.284326 °
				-120.845157 °	-120.845157 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36513 DS_ID:19662 EP_NO: N/A FS_HLM: 2.96 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.96). FS Date: 05/01/2014					

Photo 1 of 2 : UCIP_FA_2015_4937.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.95	Rating **	M	Issue No.	275 (cont)	
LM End	2.95	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.284326 °	37.284326 °	
				-120.845157 °	-120.845157 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:36513 DS_ID:19662 EP_NO: N/A FS_HLM: 2.96 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.96). FS Date: 05/01/2014						

Photo 2 of 2 : UCIP_FA_2015_4938.jpg



View of waterward side.

LM Start	3.28	Rating **	M	Issue No.	276
LM End	3.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.279656 °	37.279656 °
				-120.844795 °	-120.844795 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36514 DS_ID:19665 EP_NO: N/A FS_HLM: 3.29 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5030.jpg



View of waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	3.28	Rating **	M	Issue No.	276 (cont)
LM End	3.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.279656 °	37.279656 °
				-120.844795 °	-120.844795 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36514 DS_ID:19665 EP_NO: N/A FS_HLM: 3.29 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 05/01/2014					

Photo 2 of 3 : UCIP_FA_2015_5031.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5032.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	3.61	Rating **	M	Issue No.	277
LM End	3.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.278203 °	37.278203 °
				-120.839884 °	-120.839884 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36515					
DS_ID:19666					
EP_NO: N/A					
FS_HLM: 3.62					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	3.61	Rating **	M	Issue No.	277 (cont)
LM End	3.61	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5033.jpg



Flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5034.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	3.61	Rating **	M	Issue No.	277 (cont)
LM End	3.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.278203 °	37.278203 °
				-120.839884 °	-120.839884 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36515 DS_ID:19666 EP_NO: N/A FS_HLM: 3.62 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5035.jpg



View of landward side.

LM Start	3.94	Rating **	M	Issue No.	278
LM End	3.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.279704 °	37.279704 °
				-120.834709 °	-120.834709 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39364 DS_ID:19667 EP_NO: N/A FS_HLM: 3.96 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.95). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5036.jpg



Flap gate and concrete headwall visible through 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	3.94	Rating **	M	Issue No.	278 (cont)	
LM End	3.94	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.279704 °	37.279704 °	
				-120.834709 °	-120.834709 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39364 DS_ID:19667 EP_NO: N/A FS_HLM: 3.96 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.95). FS Date: 05/01/2014						

LM Start	3.94	Rating **	M	Issue No.	278 (cont)
LM End	3.94	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5037.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5038.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	5.27	Rating **	C	Issue No.	1
LM End	7.37	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.261990 °	37.236516 °
				-120.832408 °	-120.817542 °
DWR ID	DWR_NA0010_02A_f_2012_1				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Rutting on levee crown.					

No Photos

LM Start	5.41	Rating **	M	Issue No.	279
LM End	5.41	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260069 °	37.260069 °
				-120.831768 °	-120.831768 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36517 DS_ID:19668 EP_NO: N/A FS_HLM: 5.43 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5039.jpg



View of waterward slope covered by vegetation.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	5.41	Rating **	M	Issue No.	279 (cont)
LM End	5.41	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260069 °	37.260069 °
				-120.831768 °	-120.831768 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36517 DS_ID:19668 EP_NO: N/A FS_HLM: 5.43 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 05/01/2014					

LM Start	5.41	Rating **	M	Issue No.	279 (cont)
LM End	5.41	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_5040.jpg



Flap gate visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_5041.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	6.03	Rating **	M	Issue No.	280
LM End	6.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253527 °	37.253527 °
				-120.823991 °	-120.823991 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36518 DS_ID:19669 EP_NO: N/A FS_HLM: 6.06 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP_FA_2015_5042.jpg



View of waterward side.

LM Start	6.03	Rating **	M	Issue No.	280 (cont)
LM End	6.03	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2015_5043.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	6.47	Rating **	M	Issue No.	281
LM End	6.47	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36519 DS_ID:19670 EP_NO: N/A FS_HLM: 6.49 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	6.47	Rating **	M	Issue No.	281 (cont)
LM End	6.47	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_5092.jpg



Crossing and flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5093.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	6.47	Rating **	M	Issue No.	281 (cont)
LM End	6.47	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36519					
DS_ID:19670					
EP_NO: N/A					
FS_HLM: 6.49					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5094.jpg



Overview of levee crown and landward slope.

LM Start	7.02	Rating **	M	Issue No.	282
LM End	7.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240333 °	37.240333 °
				-120.821490 °	-120.821490 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39365 DS_ID:19671 EP_NO: N/A FS_HLM: 7.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.05). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5095.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	7.02	Rating **	M	Issue No.	282 (cont)
LM End	7.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240333 °	37.240333 °
				-120.821490 °	-120.821490 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39365 DS_ID:19671 EP_NO: N/A FS_HLM: 7.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.05). FS Date: 05/01/2014					

Photo 2 of 3 : UCIP_FA_2015_5096.jpg



Pipe extension visible on landward side attached to inlet at concrete headwall.

LM Start	7.02	Rating **	M	Issue No.	282 (cont)
LM End	7.02	Issue Type +	En	Location *	CR

Photo 3 of 3 : UCIP_FA_2015_5097.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	7.71	Rating **	A/W	Issue No.	252
LM End	7.71	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.232828 °	37.232828 °
				-120.813799 °	-120.813799 °
DWR ID	DWR_NA0010_02A_s _ 2015_252				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Two rodent holes on levee crown.					

Photo 1 of 1 : FA_2015_NA0010_119_252_20150914_00006.jpg



Looking at rodent holes on levee crown.

LM Start	7.74	Rating **	M	Issue No.	283
LM End	7.74	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.232650 °	37.232650 °
				-120.813363 °	-120.813363 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36521 DS_ID:19673 EP_NO: N/A FS_HLM: 7.77 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.77). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5098.jpg



View of waterward side--photo taken from levee toe looking towards alignment of crossing.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	10/09/2015 10/09/2015	Richard Willoughby

LM Start	7.74	Rating **	M	Issue No.	283 (cont)
LM End	7.74	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.232650 °	37.232650 °
				-120.813363 °	-120.813363 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36521 DS_ID:19673 EP_NO: N/A FS_HLM: 7.77 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.77). FS Date: 05/01/2014					

Photo 2 of 3 : UCIP_FA_2015_5099.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5100.jpg



View of waterward side.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02B San Joaquin River			Left	5.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/22/2015 - 05/22/2015		10/09/2015 - 10/09/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	8.13	Rating **	M	Issue No.	261
LM End	8.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.228343 °	37.228343 °
				-120.808789 °	-120.808789 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39366
 DS_ID:19674
 EP_NO: N/A
 FS_HLM: 8.16
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.16).
 FS Date: 05/14/2014

LM Start	8.13	Rating **	M	Issue No.	261 (cont)
LM End	8.13	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5101.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5102.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	8.13	Rating **	M	Issue No.	261 (cont)	
LM End	8.13	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.228343 °	37.228343 °	
				-120.808789 °	-120.808789 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39366						
DS_ID:19674						
EP_NO: N/A						
FS_HLM: 8.16						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_5103.jpg



View of waterward side.

LM Start	8.46	Rating **	M	Issue No.	262
LM End	8.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.225241 °	37.225241 °
				-120.804286 °	-120.804286 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39367 DS_ID:19675 EP_NO: N/A FS_HLM: 8.49 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.48). FS Date: 05/14/2014					

Photo 1 of 3 : UCIP_FA_2015_5205.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	262 (cont)
LM End	8.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.225241 °	37.225241 °
				-120.804286 °	-120.804286 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39367
 DS_ID:19675
 EP_NO: N/A
 FS_HLM: 8.49
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.48).
 FS Date: 05/14/2014

LM Start	8.46	Rating **	M	Issue No.	262 (cont)
LM End	8.46	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5206.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5207.jpg



View of landward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	8.83	Rating **	M	Issue No.	255
LM End	8.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222271 °	37.222271 °
				-120.798705 °	-120.798705 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42503					
DS_ID:19676					
EP_NO: N/A					
FS_HLM: 8.86					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5208.jpg



View of waterward side.

LM Start	8.83	Rating **	M	Issue No.	255 (cont)
LM End	8.83	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5209.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	8.83	Rating **	M	Issue No.	255 (cont)
LM End	8.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222271 °	37.222271 °
				-120.798705 °	-120.798705 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42503					
DS_ID:19676					
EP_NO: N/A					
FS_HLM: 8.86					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5210.jpg



View of waterward toe.

LM Start	9.00	Rating **	M	Issue No.	256
LM End	9.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220888 °	37.220888 °
				-120.796394 °	-120.796394 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36525 DS_ID:19677 EP_NO: N/A FS_HLM: 9.03 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.02). FS Date: 05/14/2014					

Photo 1 of 3 : UCIP_FA_2015_5211.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	9.00	Rating **	M	Issue No.	256 (cont)
LM End	9.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220888 °	37.220888 °
				-120.796394 °	-120.796394 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36525
 DS_ID:19677
 EP_NO: N/A
 FS_HLM: 9.03
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.02).
 FS Date: 05/14/2014

LM Start	9.00	Rating **	M	Issue No.	256 (cont)
LM End	9.00	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5212.jpg



View of flap gate visible from waterward side.

Photo 3 of 3 : UCIP_FA_2015_5213.jpg



View of waterward side--pipe and flap gate visible.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	9.17	Rating **	M	Issue No.	264
LM End	9.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220520 °	37.220520 °
				-120.793277 °	-120.793277 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40443					
DS_ID:19678					
EP_NO: N/A					
FS_HLM: 9.2					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	9.17	Rating **	M	Issue No.	264 (cont)
LM End	9.17	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5214.jpg



Pipe visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5215.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	9.17	Rating **	M	Issue No.	264 (cont)
LM End	9.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220520 °	37.220520 °
				-120.793277 °	-120.793277 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40443 DS_ID:19678 EP_NO: N/A FS_HLM: 9.2 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5216.jpg



View of landward side.

LM Start	9.43	Rating **	M	Issue No.	257
LM End	9.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220227 °	37.220227 °
				-120.788634 °	-120.788634 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36527 DS_ID:19686 EP_NO: N/A FS_HLM: 9.46 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.46). FS Date: 05/14/2014					

Photo 1 of 3 : UCIP_FA_2015_5257.jpg



Concrete headwall visible on landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	9.43	Rating **	M	Issue No.	257 (cont)
LM End	9.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220227 °	37.220227 °
				-120.788634 °	-120.788634 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36527 DS_ID:19686 EP_NO: N/A FS_HLM: 9.46 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.46). FS Date: 05/14/2014					

Photo 2 of 3 : UCIP_FA_2015_5258.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5259.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	9.46	Rating **	A/W	Issue No.	2
LM End	9.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.220223 °	37.220223 °
				-120.788590 °	-120.788590 °
DWR ID	DWR_NA0010_02B_f_2014_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	10.09	Rating **	M	Issue No.	258
LM End	10.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.214229 °	37.214229 °
				-120.784350 °	-120.784350 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36528 DS_ID:19687 EP_NO: N/A FS_HLM: 10.126 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.12). FS Date: 05/14/2014					

Photo 1 of 3 : UCIP_FA_2015_5260.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	10.09	Rating **	M	Issue No.	258 (cont)
LM End	10.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.214229 °	37.214229 °
				-120.784350 °	-120.784350 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36528 DS_ID:19687 EP_NO: N/A FS_HLM: 10.126 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.12). FS Date: 05/14/2014					

LM Start	10.09	Rating **	M	Issue No.	258 (cont)
LM End	10.09	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5261.jpg



Overview of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5262.jpg



View of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	10.78	Rating **	M	Issue No.	254
LM End	10.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.206352 °	37.206352 °
				-120.777634 °	-120.777634 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42504					
DS_ID:19688					
EP_NO: N/A					
FS_HLM: 10.81					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	10.78	Rating **	M	Issue No.	254 (cont)
LM End	10.78	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4764.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_4765.jpg



View of pipe visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	10.78	Rating **	M	Issue No.	254 (cont)
LM End	10.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.206352 °	37.206352 °
				-120.777634 °	-120.777634 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42504					
DS_ID:19688					
EP_NO: N/A					
FS_HLM: 10.81					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5263.jpg



View of landward side.

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				
Action/Comments					
Prunings					
Inspector Comments: Prunings on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_120_14_20151012_00004.jpg



Looking at prunings on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	11.14	Rating **	M	Issue No.	259
LM End	11.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.204640 °	37.204640 °
				-120.771564 °	-120.771564 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36530 DS_ID:19689 EP_NO: N/A FS_HLM: 11.17 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.17). FS Date: 05/14/2014					

LM Start	11.14	Rating **	M	Issue No.	259 (cont)
LM End	11.14	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_4766.jpg



Slide gate visible on landward side blocked by vegetation.

Photo 2 of 2 : UCIP_FA_2015_4767.jpg



View of landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	11.40	Rating **	M	Issue No.	260
LM End	11.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201792 °	37.201792 °
				-120.768462 °	-120.768462 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36531					
DS_ID:19690					
EP_NO: N/A					
FS_HLM: 11.43					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	11.40	Rating **	M	Issue No.	260 (cont)
LM End	11.40	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4768.jpg



Flap gate visible on waterward toe.

Photo 2 of 3 : UCIP_FA_2015_4769.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	11.40	Rating **	M	Issue No.	260 (cont)	
LM End	11.40	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.201792 °	37.201792 °	
				-120.768462 °	-120.768462 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:36531						
DS_ID:19690						
EP_NO: N/A						
FS_HLM: 11.43						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_4770.jpg



View of landward side.

LM Start	12.10	Rating **	M	Issue No.	5
LM End	12.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.193504 °	37.193504 °
				-120.763859 °	-120.763859 °
DWR ID	DWR_NA0010_02B_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove wild roses from landside toe.					

Photo 1 of 2 : FA_2015_NA0010_120_5_20151012_00005.jpg



Looking downstream at wildroses on landward slope. Fall 2015

LM Start	12.10	Rating **	M	Issue No.	5 (cont)
LM End	12.10	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_120_5_20150914_00003.jpg



Looking north at wildroses on landward slope. Spring 2015

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	12.21	Rating **	M	Issue No.	1
LM End	12.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.191495 °	37.191500 °
				-120.764551 °	-120.764521 °
DWR ID	DWR_NA0010_02B_f_2014_1				
Action/Comments					
Tree or limb					
Inspector Comments: Fallen tree limbs on landward slope.					

Photo 1 of 2 : FA_2015_NA0010_120_1_20150914_00001.jpg



Looking southwest at tree limb on waterward slope.

Photo 2 of 2 : FA_2015_NA0010_120_1_20150914_00002.jpg



Looking southwest at tree limb on waterward slope.

LM Start	13.18	Rating **	M	Issue No.	263
LM End	13.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39370 DS_ID:19663 EP_NO: N/A FS_HLM: 13.22 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4771.jpg



View of waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	13.18	Rating **	M	Issue No.	263 (cont)
LM End	13.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39370
 DS_ID:19663
 EP_NO: N/A
 FS_HLM: 13.22
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.5 feet below the crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.22).
 FS Date: 05/14/2014

LM Start	13.18	Rating **	M	Issue No.	263 (cont)
LM End	13.18	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4772.jpg



Overview of landward slope.

Photo 3 of 3 : UCIP_FA_2015_4773.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	10/09/2015 10/09/2015	Richard Willoughby

LM Start	13.42	Rating **	M	Issue No.	167
LM End	13.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.176379 °	37.176379
				-120.762255 °	-120.762255
DWR ID	DWR_NA0010_02B_s _ 2015_167				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	13.67	Rating **	M	Issue No.	253
LM End	13.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.173327 °	37.173327 °
				-120.761055 °	-120.761055 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39891 DS_ID:19664 EP_NO: 14138 FS_HLM: 13.71 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10 feet below the crown. Concrete cutoff wall at the centerline of pipe. Flap gate on the landward end. Screw gate on the waterward end, with accessible walkway. (Permit No. 14138-1985). FS Date: 05/14/2014					

No Photos

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River			Right	2.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/21/2015 - 05/21/2015		10/08/2015 - 10/08/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes noted at landward toe.					

No Photos

LM Start	0.41	Rating **	M	Issue No.	6
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.106304 °	37.088926 °
				-120.585859 °	-120.566860 °
DWR ID	DWR_NA0010_03_f _ 2015_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_121_6_20151012_00001.jpg



Looking at typical view of waterward slope.

LM Start	0.41	Rating **	M	Issue No.	4
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.106304 °	37.088924 °
				-120.585859 °	-120.566858 °
DWR ID	DWR_NA0010_03_f _ 2015_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_121_4_20151012_00002.jpg



Looking at typical view of landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.42	Rating **	M	Issue No.	68
LM End	0.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.106233 °	37.106233 °
				-120.585797 °	-120.585797 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:34083
 DS_ID:19691
 EP_NO: N/A
 FS_HLM: 0.44
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.43).
 FS Date: 04/17/2014

LM Start	0.42	Rating **	M	Issue No.	68 (cont)
LM End	0.42	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3521.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_3522.jpg



Concrete structure and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.42	Rating **	M	Issue No.	68 (cont)
LM End	0.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.106233 °	37.106233 °
				-120.585797 °	-120.585797 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34083 DS_ID:19691 EP_NO: N/A FS_HLM: 0.44 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3523.jpg



View of landward side.

LM Start	1.54	Rating **	M	Issue No.	65
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.094270 °	37.094270 °
				-120.573112 °	-120.573112 °
DWR ID	DWR_NA0010_03_s_2015_65				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	69
LM End	1.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.092079 °	37.092079 °
				-120.572316 °	-120.572316 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39371
 DS_ID:19693
 EP_NO: N/A
 FS_HLM: 1.73
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.8 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.72).
 FS Date: 04/17/2014

LM Start	1.71	Rating **	M	Issue No.	69 (cont)
LM End	1.71	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4774.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2015_4775.jpg



View of waterward side--channel.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	69 (cont)
LM End	1.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.092079 °	37.092079 °
				-120.572316 °	-120.572316 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39371					
DS_ID:19693					
EP_NO: N/A					
FS_HLM: 1.73					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4776.jpg



Concrete structure located on waterward side.

LM Start	2.04	Rating **	M	Issue No.	70
LM End	2.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.089394 °	37.089394 °
				-120.567731 °	-120.567731 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36543					
DS_ID:19694					
EP_NO: N/A					
FS_HLM: 2.06					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.6 feet below the crown. Slide gate on the waterward end. Pump on the waterward bank. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05).					
FS Date: 04/17/2014					

Photo 1 of 3 : UCIP_FA_2015_4798.jpg



Pump and damage walkway located on waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

LM Start	2.04	Rating **	M	Issue No.	70 (cont)
LM End	2.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.089394 °	37.089394 °
				-120.567731 °	-120.567731 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36543
 DS_ID:19694
 EP_NO: N/A
 FS_HLM: 2.06
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.6 feet below the crown. Slide gate on the waterward end. Pump on the waterward bank. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05).
 FS Date: 04/17/2014

LM Start	2.04	Rating **	M	Issue No.	70 (cont)
LM End	2.04	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4799.jpg



Slide gate and concrete structure located on waterward slope.

Photo 3 of 3 : UCIP_FA_2015_4800.jpg



View of walkway and berm on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	10/08/2015 10/08/2015	Richard Willoughby

LM Start	2.05	Rating **	C	Issue No.	5
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.089317 °	37.089317 °
				-120.567480 °	-120.567480 °
DWR ID	DWR_NA0010_03_f_2014_5				
Action/Comments					
Prunings					
Inspector Comments: Prunings on landward 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 04 San Joaquin River			Left	1.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/21/2015 - 05/21/2015		10/08/2015 - 10/08/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.01	Rating **	M	Issue No.	10
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112481 °	°
				-120.589244 °	°
DWR ID	DWR_NA0010_04_f _ 2015_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_122_10_20151012_00005.jpg



Looking at typical view of waterward slope.

LM Start	0.01	Rating **	M	Issue No.	9
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112481 °	°
				-120.589245 °	°
DWR ID	DWR_NA0010_04_f_2015_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_122_9_20151012_00006.jpg



Looking at typical view of landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	12
LM End	0.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112353 °	37.112353 °
				-120.589565 °	-120.589565 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40529
 DS_ID:19977
 EP_NO: 5024
 FS_HLM: 0.031
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned.
 FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 1 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown.
 Slide gates on the waterward side. Concrete headwalls on both sides.
 Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure.
 FS Date: 04/17/2014

LM Start	0.03	Rating **	M	Issue No.	12 (cont)
LM End	0.03	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3568.jpg



Concrete headwall located on waterward side.

Photo 2 of 3 : UCIP_FA_2015_3569.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	12 (cont)
LM End	0.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112353 °	37.112353 °
				-120.589565 °	-120.589565 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40529 DS_ID:19977 EP_NO: 5024 FS_HLM: 0.031 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3570.jpg



View of concrete structure located on landward side.

LM Start	0.04	Rating **	M	Issue No.	13
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112348 °	37.112348 °
				-120.589581 °	-120.589581 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36875					
DS_ID:24856					
EP_NO: 5024					
FS_HLM: 0.032					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned.					
FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 2 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure.					
FS Date: 04/17/2014					

Photo 1 of 3 : UCIP_FA_2015_3741.jpg



Concrete headwall located on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.04	Rating **	M	Issue No.	13 (cont)
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112348 °	37.112348 °
				-120.589581 °	-120.589581 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36875
 DS_ID:24856
 EP_NO: 5024
 FS_HLM: 0.032
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned.
 FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 2 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure.
 FS Date: 04/17/2014

LM Start	0.04	Rating **	M	Issue No.	13 (cont)
LM End	0.04	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3742.jpg



View of levee crown.

Photo 3 of 3 : UCIP_FA_2015_3743.jpg



View of concrete structure located on landward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.04	Rating **	M	Issue No.	14
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112343 °	37.112343 °
				-120.589601 °	-120.589601 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36876					
DS_ID:24857					
EP_NO: 5024					
FS_HLM: 0.033					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.04	Rating **	M	Issue No.	14 (cont)
LM End	0.04	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3153.jpg



Concrete headwall located on waterward side.

Photo 2 of 3 : UCIP_FA_2015_3754.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.04	Rating **	M	Issue No.	14 (cont)
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112343 °	37.112343 °
				-120.589601 °	-120.589601 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36876					
DS_ID:24857					
EP_NO: 5024					
FS_HLM: 0.033					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3755.jpg



View of concrete structure located on landward side.

LM Start	0.04	Rating **	M	Issue No.	15
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112336 °	37.112336 °
				-120.589624 °	-120.589624 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36877					
DS_ID:24858					
EP_NO: 5024					
FS_HLM: 0.034					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned.					
FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 4 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure.					
FS Date: 04/17/2014					

Photo 1 of 3 : UCIP_FA_2015_3756.jpg



Concrete headwall located on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.04	Rating **	M	Issue No.	15 (cont)
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112336 °	37.112336 °
				-120.589624 °	-120.589624 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36877
 DS_ID:24858
 EP_NO: 5024
 FS_HLM: 0.034
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned.
 FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 4 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure.
 FS Date: 04/17/2014

LM Start	0.04	Rating **	M	Issue No.	15 (cont)
LM End	0.04	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5295.jpg



View of levee crown.

Photo 3 of 3 : UCIP_FA_2015_5296.jpg



View of concrete structure located on landward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.24	Rating **	M	Issue No.	16
LM End	0.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.109933 °	37.109933 °
				-120.590689 °	-120.590689 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34093					
DS_ID:19695					
EP_NO: N/A					
FS_HLM: 0.24					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.24	Rating **	M	Issue No.	16 (cont)
LM End	0.24	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3571.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_3572.jpg



Sediment blocking flap gate located on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.24	Rating **	M	Issue No.	16 (cont)
LM End	0.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.109933 °	37.109933 °
				-120.590689 °	-120.590689 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34093 DS_ID:19695 EP_NO: N/A FS_HLM: 0.24 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3644.jpg



View of dense vegetation near concrete headwall located on waterward side.

LM Start	0.30	Rating **	A/W	Issue No.	4
LM End	0.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.109052 °	37.109052 °
				-120.590800 °	-120.590800 °
DWR ID	DWR_NA0010_04_s_2014_4				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward slope and toe.					

Photo 1 of 1 : FA_2015_NA0010_122_4_20150914_00004.jpg



Looking east at downed tree and prunings on landward slope and toe.

LM Start	0.32	Rating **	M	Issue No.	3
LM End	1.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.108822 °	37.096532 °
				-120.590718 °	-120.578027 °
DWR ID	DWR_NA0010_04_s_2012_3				
Action/Comments					
Ditch					
Inspector Comments: Agricultural ditch within 10' easement.					

Photo 1 of 3 : FA_2015_NA0010_122_3_20150914_00001.jpg



Looking north at irrigation ditch at landside toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.32	Rating **	M	Issue No.	3 (cont)
LM End	1.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.108822 °	37.096532 °
				-120.590718 °	-120.578027 °
DWR ID	DWR_NA0010_04_s _ 2012_3				
Action/Comments					
Ditch					
Inspector Comments: Agricultural ditch within 10' easement.					

LM Start	0.32	Rating **	M	Issue No.	3 (cont)
LM End	1.49	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2015_NA0010_122_3_20150914_00002.jpg



Looking north at irrigation ditch at landward toe. (Fall 2013)

Photo 3 of 3 : FA_2015_NA0010_122_3_20150914_00003.jpg



Looking north at irrigation ditch at landside toe.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 05 East Side Bypass			Right	34.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/20/2015		10/06/2015 - 10/07/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	0.08	Rating **	M	Issue No.	1313
LM End	0.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.278174 °	37.278174 °
				-120.823465 °	-120.823465 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39563
 DS_ID:19756
 EP_NO: N/A
 FS_HLM: 0.074
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Debris blocking landward headwall--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.07).
 FS Date: 04/09/2014

LM Start	0.08	Rating **	M	Issue No.	1313 (cont)
LM End	0.08	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4423.jpg



Pipe, flapgate, and concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4424.jpg



Pipe, flapgate, and concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	0.08	Rating **	M	Issue No.	1313 (cont)
LM End	0.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.278174 °	37.278174 °
				-120.823465 °	-120.823465 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39563 DS_ID:19756 EP_NO: N/A FS_HLM: 0.074 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4425.jpg



Pipe and concrete headwall on LS toe.

LM Start	0.31	Rating **	U	Issue No.	1314
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.276669 °	37.276669 °
				-120.819755 °	-120.819755 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39315 DS_ID:24867 EP_NO: N/A FS_HLM: 0.305 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. FIELD_STRUCT_DESC: 6'X9' CMP stormdrain through the levee 4.5-feet below the crown. Pipe is CMP on WS toe and Steel on the LS toe. The levee is degraded at this location. FS Date: 04/09/2014					

Photo 1 of 3 : UCIP_FA_2015_5498.jpg



Pipe on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	0.31	Rating **	U	Issue No.	1314 (cont)
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.276669 °	37.276669 °
				-120.819755 °	-120.819755 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39315 DS_ID:24867 EP_NO: N/A FS_HLM: 0.305 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. FIELD_STRUCT_DESC: 6'X9' CMP stormdrain through the levee 4.5-feet below the crown. Pipe is CMP on WS toe and Steel on the LS toe. The levee is degraded at this location. FS Date: 04/09/2014					

LM Start	0.31	Rating **	U	Issue No.	1314 (cont)
LM End	0.31	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5499.jpg



Pipe on LS toe.

Photo 3 of 3 : UCIP_FA_2015_5500.jpg



Pipe through levee where levee has been degraded.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	0.60	Rating **	M	Issue No.	1315
LM End	0.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273945 °	37.273945 °
				-120.815835 °	-120.815835 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39584					
DS_ID:19757					
EP_NO: N/A					
FS_HLM: 0.592					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4426.jpg



Concrete headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4431.jpg



Concrete headwall, pipe, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	0.60	Rating **	M	Issue No.	1315 (cont)
LM End	0.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273945 °	37.273945
				-120.815835 °	-120.815835
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39584					
DS_ID:19757					
EP_NO: N/A					
FS_HLM: 0.592					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4432.jpg



Pipe and concrete headwall on LS toe. Note vegetation buildup.

LM Start	0.65	Rating **	M	Issue No.	1316
LM End	0.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39585 DS_ID:19758 EP_NO: N/A FS_HLM: 0.649 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. Cobble revetment around both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.65). FS Date: 04/09/2014					

Photo 1 of 3 : UCIP_FA_2015_4433.jpg



Pipe, flapgate, and headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	1316 (cont)
LM End	0.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39585 DS_ID:19758 EP_NO: N/A FS_HLM: 0.649 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. Cobble revetment around both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.65). FS Date: 04/09/2014					

Photo 2 of 3 : UCIP_FA_2015_4434.jpg



Concrete headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2015_4435.jpg



Concrete headwall visible off WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	80
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control				° 37.260691
					° -120.799397
DWR ID	DWR_NA0010_05_f_2015_80				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes on levee crown within this section.					

Photo 1 of 1 : FA_2015_NA0010_123_80_20151012_00021.jpg



Looking at typical view of rodent holes within this section on landward slope.

LM Start	2.82	Rating **	M	Issue No.	1308
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256783 °	37.256783 °
				-120.785438 °	-120.785438 °
DWR ID	DWR_NA0010_05_s_2015_1308				
Action/Comments					
Tree or limb					
Inspector Comments: Dead tree limbs at landward toe.					

Photo 1 of 1 : FA_2015_NA0010_123_1308_20151012_00022.jpg



Looking at dead tree limbs on landward toe.

LM Start	2.82	Rating **	A/W	Issue No.	3
LM End	2.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.256803 °	37.256835 °
				-120.785407 °	-120.784528 °
DWR ID	DWR_NA0010_05_s_2012_3				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_NA0010_123_3_20150914_00002.jpg



Looking east at trimmed trees on landward slope and toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	2.84	Rating **	M	Issue No.	1317
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33709
 DS_ID:19809
 EP_NO: N/A
 FS_HLM: 2.83
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Log partially blocking inlet at LS toe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.85).
 FS Date: 04/09/2014

LM Start	2.84	Rating **	M	Issue No.	1317 (cont)
LM End	2.84	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4436.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4437.jpg



Concrete headwall and metal gate hoist on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	2.84	Rating **	M	Issue No.	1317 (cont)
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33709					
DS_ID:19809					
EP_NO: N/A					
FS_HLM: 2.83					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4438.jpg



Concrete headwall at outlet on WS toe.

LM Start	3.20	Rating **	M	Issue No.	6
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256635 °	37.256635
				-120.778935 °	-120.778935
DWR ID	DWR_NA0010_05_s_2014_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: No rodent visible but several rodent holes visible.					

Photo 1 of 1 : FA_2015_NA0010_123_6_20150914_00004.jpg



Looking at typical view of rodent holes on waterward slope.

LM Start	3.20	Rating **	M	Issue No.	7
LM End	3.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256554 °	37.256554 °
				-120.778847 °	-120.778847 °
DWR ID	DWR_NA0010_05_f_2012_7				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on waterside slope.					

Photo 1 of 3 : FA_2015_NA0010_123_7_20150914_00005.jpg



Looking south at unauthorized ramp on waterside slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	3.20	Rating **	M	Issue No.	7 (cont)
LM End	3.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256554 °	37.256554 °
				-120.778847 °	-120.778847 °
DWR ID	DWR_NA0010_05_f _ 2012_7				
Action/Comments					
Ramp					
Inspector Comments: Unauthorized ramp on waterside slope.					

Photo 2 of 3 : FA_2015_NA0010_123_7_20150914_00006.jpg



Looking northwest at unauthorized ramp on waterward slope.

Photo 3 of 3 : FA_2015_NA0010_123_7_20150914_00007.jpg



Looking northwest at unauthorized ramp on waterside slope.

LM Start	3.34	Rating **	A/W	Issue No.	1
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.255297 °	37.255297 °
				-120.777032 °	-120.777032 °
DWR ID	DWR_NA0010_05_s_2012_1				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	3.34	Rating **	M	Issue No.	1318
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255258 °	37.255258 °
				-120.776996 °	-120.776996 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:43055 DS_ID:19810 EP_NO: N/A FS_HLM: 3.33 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe corroded through at flapgate on WS toe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.33). FS Date: 04/15/2014					

LM Start	3.34	Rating **	M	Issue No.	1318 (cont)
LM End	3.34	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4439.jpg



Flapgate and Concrete headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4440.jpg



Concrete headwall at WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	3.34	Rating **	M	Issue No.	1318 (cont)
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255258 °	37.255258 °
				-120.776996 °	-120.776996 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43055 DS_ID:19810 EP_NO: N/A FS_HLM: 3.33 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4441.jpg



Pipe corroded through just behind flapgate at WS toe.

LM Start	3.55	Rating **	A/W	Issue No.	2
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255192 °	37.255192 °
				-120.773595 °	-120.773595 °
DWR ID	DWR_NA0010_05_s_2012_2				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limb on landside slope and toe.					

Photo 1 of 1 : FA_2015_NA0010_123_2_20150914_00001.jpg



Looking south at down tree limb on landside slope and toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	3.68	Rating **	M	Issue No.	1319
LM End	3.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252308 °	37.252308 °
				-120.768038 °	-120.768038 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39586 DS_ID:19811 EP_NO: N/A FS_HLM: 3.664 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 04/16/2014					

LM Start	3.68	Rating **	M	Issue No.	1319 (cont)
LM End	3.68	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4003.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4004.jpg



Pipe, headwall, and flapgate on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	3.68	Rating **	M	Issue No.	1319 (cont)
LM End	3.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252308 °	37.252308 °
				-120.768038 °	-120.768038 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39586					
DS_ID:19811					
EP_NO: N/A					
FS_HLM: 3.664					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4005.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	4.02	Rating **	M	Issue No.	1320
LM End	4.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248432 °	37.248432 °
				-120.764066 °	-120.764066 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39880					
DS_ID:19769					
EP_NO: N/A					
FS_HLM: 4.011					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 16.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.02).					
FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_4006.jpg



Pipe and headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	4.02	Rating **	M	Issue No.	1320 (cont)
LM End	4.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248432 °	37.248432 °
				-120.764066 °	-120.764066 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39880
 DS_ID:19769
 EP_NO: N/A
 FS_HLM: 4.011
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 16.0 feet below the crown. Flap gate on the waterward end.
 Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.02).
 FS Date: 04/16/2014

LM Start	4.02	Rating **	M	Issue No.	1320 (cont)
LM End	4.02	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4007.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4139.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	4.27	Rating **	M	Issue No.	1321
LM End	4.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.246008 °	37.246008 °
				-120.760706 °	-120.760706 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39588					
DS_ID:19770					
EP_NO: N/A					
FS_HLM: 4.26					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4140.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4141.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	4.27	Rating **	M	Issue No.	1321 (cont)
LM End	4.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.246008 °	37.246008 °
				-120.760706 °	-120.760706 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39588					
DS_ID:19770					
EP_NO: N/A					
FS_HLM: 4.26					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4182.jpg



Concrete headwall and pipe on LS toe.

LM Start	4.54	Rating **	M	Issue No.	1322
LM End	4.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243668 °	37.243668 °
				-120.756812 °	-120.756812 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39589					
DS_ID:19771					
EP_NO: N/A					
FS_HLM: 4.529					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.54).					
FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_4083.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	4.54	Rating **	M	Issue No.	1322 (cont)
LM End	4.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243668 °	37.243668 °
				-120.756812 °	-120.756812 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39589
 DS_ID:19771
 EP_NO: N/A
 FS_HLM: 4.529
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.54).
 FS Date: 04/16/2014

LM Start	4.54	Rating **	M	Issue No.	1322 (cont)
LM End	4.54	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4084.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4085.jpg



Pipe, flapgate, and headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	4.89	Rating **	M	Issue No.	1323
LM End	4.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240978 °	37.240978 °
				-120.751613 °	-120.751613 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39590					
DS_ID:19772					
EP_NO: N/A					
FS_HLM: 4.875					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	4.89	Rating **	M	Issue No.	1323 (cont)
LM End	4.89	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4086.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4087.jpg



Headwall, flapgate, and pipe 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	4.89	Rating **	M	Issue No.	1323 (cont)
LM End	4.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240978 °	37.240978 °
				-120.751613 °	-120.751613 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39590					
DS_ID:19772					
EP_NO: N/A					
FS_HLM: 4.875					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4088.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	5.15	Rating **	M	Issue No.	1324
LM End	5.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39591 DS_ID:19773 EP_NO: N/A FS_HLM: 5.134 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.15). FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_4089.jpg



Headwall, flapgate, and pipe on WS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	5.15	Rating **	M	Issue No.	1324 (cont)
LM End	5.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39591
 DS_ID:19773
 EP_NO: N/A
 FS_HLM: 5.134
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.15).
 FS Date: 04/16/2014

LM Start	5.15	Rating **	M	Issue No.	1324 (cont)
LM End	5.15	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4090.jpg



Headwall and pipe on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4091.jpg



Headwall, flapgate, and pipe 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	5.58	Rating **	C	Issue No.	8
LM End	5.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.238970 °	37.238970 °
				-120.739688 °	-120.739688 °
DWR ID	DWR_NA0010_05_s _ 2014_8				
Action/Comments					
Pipe					
Inspector Comments: Landowner installed 18" pvc pipe to 24" drain pipe. Eighteen inch pipe has a water meter installed. It appears that dike around structure will prevent proper drainage.					

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.59	Rating **	M	Issue No.	1309
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.229682 °	37.229682
				-120.726305 °	-120.726305
DWR ID	DWR_NA0010_05_s _ 2015_1309				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Landward slope damage caused by animal foot traffic.					

Photo 1 of 2 : FA_2015_NA0010_123_1309_20150914_00017.jpg



Looking north at damaged landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	6.59	Rating **	M	Issue No.	1309 (cont)
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.229682 °	37.229682 °
				-120.726305 °	-120.726305 °
DWR ID	DWR_NA0010_05_s_2015_1309				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Landward slope damage caused by animal foot traffic.					

Photo 2 of 2 : FA_2015_NA0010_123_1309_20150914_00018.jpg



Looking east at damaged landward slope.

LM Start	7.36	Rating **	M	Issue No.	1325
LM End	7.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224560 °	37.224560 °
				-120.714057 °	-120.714057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39592 DS_ID:19761 EP_NO: N/A FS_HLM: 7.358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.36). FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_3611.jpg



Headwall, flapgate, and pipe on WS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	7.36	Rating **	M	Issue No.	1325 (cont)
LM End	7.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224560 °	37.224560 °
				-120.714057 °	-120.714057 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39592
 DS_ID:19761
 EP_NO: N/A
 FS_HLM: 7.358
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.36).
 FS Date: 04/22/2014

LM Start	7.36	Rating **	M	Issue No.	1325 (cont)
LM End	7.36	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3612.jpg



Headwall and pipe on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3613.jpg



Headwall, flapgate, and pipe 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	7.58	Rating **	M	Issue No.	1326
LM End	7.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221465 °	37.221465 °
				-120.713780 °	-120.713780 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34170					
DS_ID:19762					
EP_NO: N/A					
FS_HLM: 7.576					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	7.58	Rating **	M	Issue No.	1326 (cont)
LM End	7.58	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_3614.jpg



Slide gate in CMP riser on WS slope. No outlet or pipe found on WS toe.

Photo 2 of 2 : UCIP_FA_2015_3615.jpg



Likely inlet on LS toe. No pipe or headwall can be seen at current water level.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	8.08	Rating **	M	Issue No.	4
LM End	8.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.213600 °	37.213600 °
				-120.706630 °	-120.706630 °
DWR ID	DWR_NA0010_05_s _ 2012_4				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	8.46	Rating **	M	Issue No.	1327
LM End	8.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34265 DS_ID:19763 EP_NO: N/A FS_HLM: 8.452 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe filled with silt on LS toe and should be cleared. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 16.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwalls on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.44). FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_5469.jpg



Headwall, slidegate, and pipe on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	1327 (cont)
LM End	8.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:34265
 DS_ID:19763
 EP_NO: N/A
 FS_HLM: 8.452
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe filled with silt on LS toe and should be cleared.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 16.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwalls on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.44).
 FS Date: 04/22/2014

LM Start	8.46	Rating **	M	Issue No.	1327 (cont)
LM End	8.46	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5470.jpg



Headwall, flapgate, and pipe on WS toe

Photo 3 of 3 : UCIP_FA_2015_5471.jpg



Headwall, flapgate, and pipe 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	8.85	Rating **	M	Issue No.	5
LM End	8.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.205778 °	37.205778 °
				-120.696843 °	-120.696843 °
DWR ID	DWR_NA0010_05_s _ 2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	10.06	Rating **	M	Issue No.	1328
LM End	10.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194736 °	37.194736 °
				-120.680116 °	-120.680116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34273 DS_ID:19767 EP_NO: N/A FS_HLM: 10.052 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slidegate actuator appears bent and may not work properly (WS slope). FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 15.0-feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.05). FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_5537.jpg



Concrete headwall and pipe on LS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	10.06	Rating **	M	Issue No.	1328 (cont)
LM End	10.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194736 °	37.194736 °
				-120.680116 °	-120.680116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34273 DS_ID:19767 EP_NO: N/A FS_HLM: 10.052 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slidegate actuator appears bent and may not work properly (WS slope). FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 15.0-feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.05). FS Date: 04/22/2014					

Photo 2 of 3 : UCIP_FA_2015_5538.jpg



Slidegate in CMP riser on WS slope.

Photo 3 of 3 : UCIP_FA_2015_5539.jpg



Concrete headwall and pipe on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	12.88	Rating **	M	Issue No.	27
LM End	13.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175782 °	37.174988 °
				-120.641112 °	-120.637376 °
DWR ID	DWR_NA0010_05_s _ 2013_27				
Action/Comments					
Fence					
Inspector Comments: Electric fence on landward slope.					

No Photos

LM Start	12.89	Rating **	M	Issue No.	1329
LM End	12.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.175816 °	37.175816
				-120.640865 °	-120.640865
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39593					
DS_ID:19707					
EP_NO: N/A					
FS_HLM: 12.879					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.2-feet below the crown. Flap gate on the waterward end. Concrete headwalls on the landward end with flashboards. Concrete saddle and apron on the waterward end with a flapgate. Metal screen at LS toe inlet (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.87).					
FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_4393.jpg



Headwall and pipe on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	12.89	Rating **	M	Issue No.	1329 (cont)
LM End	12.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.175816 °	37.175816 °
				-120.640865 °	-120.640865 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39593
 DS_ID:19707
 EP_NO: N/A
 FS_HLM: 12.879
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.2-feet below the crown. Flap gate on the waterward end. Concrete headwalls on the landward end with flashboards. Concrete saddle and apron on the waterward end with a flapgate. Metal screen at LS toe inlet (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.87).
 FS Date: 04/22/2014

LM Start	12.89	Rating **	M	Issue No.	1329 (cont)
LM End	12.89	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4394.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4395.jpg



Headwall, flapgate, and pipe 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	13.01	Rating **	M	Issue No.	1310
LM End	13.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175587 °	37.175587 °
				-120.638730 °	-120.638730 °
DWR ID	DWR_NA0010_05_s _ 2015_1310				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward slope.					

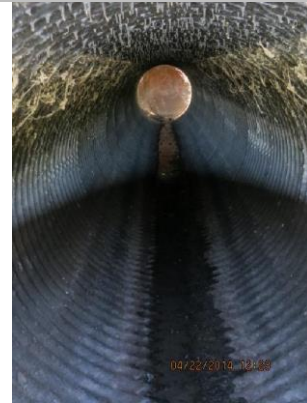
Photo 1 of 1 : FA_2015_NA0010_123_1310_20150914_00019.jpg



Looking east at fallen tree limbs on waterward slope.

LM Start	13.42	Rating **	M	Issue No.	1330
LM End	13.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34288					
DS_ID:19708					
EP_NO: N/A					
FS_HLM: 13.406					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some erosion around headwall on the WS toe and there are animal burrows on both slopes.					
FIELD_STRUCT_DESC: 48-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end.					
Flashboard attachment in concrete "U" headwall on the landward end.					
Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.40).					
FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_4396.jpg



Headwall, flapgate, and pipe on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	13.42	Rating **	M	Issue No.	1330 (cont)
LM End	13.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:34288
 DS_ID:19708
 EP_NO: N/A
 FS_HLM: 13.406
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some erosion around headwall on the WS toe and there are animal burrows on both slopes.
 FIELD_STRUCT_DESC: 48-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end.
 Flashboard attachment in concrete "U" headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.40).
 FS Date: 04/22/2014

LM Start	13.42	Rating **	M	Issue No.	1330 (cont)
LM End	13.42	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4397.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4398.jpg



Headwall and 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	13.59	Rating **	M	Issue No.	1311
LM End	13.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.169607 °	37.169607 °
				-120.631358 °	-120.631358 °
DWR ID	DWR_NA0010_05_s_2015_1311				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_123_1311_20150914_00020.jpg



Looking east at a fallen tree limbs on waterward slope.

LM Start	13.72	Rating **	M	Issue No.	1331
LM End	13.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.168202 °	37.168202 °
				-120.629886 °	-120.629886 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34824 DS_ID:19709 EP_NO: N/A FS_HLM: 13.708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not visible and may need to have silt removed from outlet on WS toe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 16-feet below the crown. Flap gate on the waterward end. Slidegate on concrete headwall at LS toe. Concrete saddle and apron on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.72). FS Date: 04/22/2014					

Photo 1 of 2 : UCIP_FA_2015_4100.jpg



Walkway to gatevalve on LS 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	13.72	Rating **	M	Issue No.	1331 (cont)
LM End	13.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.168202 °	37.168202 °
				-120.629886 °	-120.629886 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34824 DS_ID:19709 EP_NO: N/A FS_HLM: 13.708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not visible and may need to have silt removed from outlet on WS toe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 16-feet below the crown. Flap gate on the waterward end. Slidegate on concrete headwall at LS toe. Concrete saddle and apron on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.72). FS Date: 04/22/2014					

Photo 2 of 2 : UCIP_FA_2015_4101.jpg



Slide gate at concrete headwall on LS toe.

LM Start	15.11	Rating **	M	Issue No.	1332
LM End	15.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.156805 °	37.156805 °
				-120.609513 °	-120.609513 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34664 DS_ID:19712 EP_NO: N/A FS_HLM: 15.09 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor erosion at headwall on WS toe. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 11.9 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.09). FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_5655.jpg



Inside pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	15.11	Rating **	M	Issue No.	1332 (cont)
LM End	15.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.156805 °	37.156805 °
				-120.609513 °	-120.609513 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:34664
 DS_ID:19712
 EP_NO: N/A
 FS_HLM: 15.09
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Minor erosion at headwall on WS toe.
 FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 11.9 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.09).
 FS Date: 04/23/2014

LM Start	15.11	Rating **	M	Issue No.	1332 (cont)
LM End	15.11	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5656.jpg



Headwall and inlet on LS toe.

Photo 3 of 3 : UCIP_FA_2015_5657.jpg



Headwall and inlet 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	15.76	Rating **	M	Issue No.	1333
LM End	15.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.150012 °	37.150012 °
				-120.601330 °	-120.601330 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39595					
DS_ID:19713					
EP_NO: N/A					
FS_HLM: 15.746					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	15.76	Rating **	M	Issue No.	1333 (cont)
LM End	15.76	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5658.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_5659.jpg



Headwall and pipe at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	15.76	Rating **	M	Issue No.	1333 (cont)
LM End	15.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.150012 °	37.150012 °
				-120.601330 °	-120.601330 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39595					
DS_ID:19713					
EP_NO: N/A					
FS_HLM: 15.746					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5660.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	15.81	Rating **	M	Issue No.	1334
LM End	15.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.149381 °	37.149381 °
				-120.600761 °	-120.600761 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39596					
DS_ID:19715					
EP_NO: N/A					
FS_HLM: 15.8					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Excess vegetation at inlet on LS toe should be cleared.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12-feet below the crown. Flap gate on the waterward end. Concrete head wall on the landward end. Concrete saddle and apron on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.80).					
FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3600.jpg



Headwall, pipe, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	15.81	Rating **	M	Issue No.	1334 (cont)	
LM End	15.81	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.149381 °	37.149381 °	
				-120.600761 °	-120.600761 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39596 DS_ID:19715 EP_NO: N/A FS_HLM: 15.8 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Excess vegetation at inlet on LS toe should be cleared. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12-feet below the crown. Flap gate on the waterward end. Concrete head wall on the landward end. Concrete saddle and apron on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.80). FS Date: 04/23/2014						

Photo 2 of 3 : UCIP_FA_2015_3601.jpg



Headwall and pipe visible at LS toe.

Photo 3 of 3 : UCIP_FA_2015_3602.jpg



Headwall, pipe, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	16.68	Rating **	M	Issue No.	1335
LM End	16.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.138760 °	37.138760 °
				-120.592393 °	-120.592393 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34725 DS_ID:19716 EP_NO: N/A FS_HLM: 16.668 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	16.68	Rating **	M	Issue No.	1335 (cont)
LM End	16.68	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3603.jpg



Headwall, flapgate, and pipe visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3604.jpg



Concrete headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	16.68	Rating **	M	Issue No.	1335 (cont)
LM End	16.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.138760 °	37.138760 °
				-120.592393 °	-120.592393 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34725 DS_ID:19716 EP_NO: N/A FS_HLM: 16.668 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3605.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	17.22	Rating **	M	Issue No.	1336
LM End	17.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39597					
DS_ID:19717					
EP_NO: N/A					
FS_HLM: 17.208					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 12-feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.20).					
FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3606.jpg



Headwall, flapgate, and pipe visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	17.22	Rating **	M	Issue No.	1336 (cont)
LM End	17.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39597
 DS_ID:19717
 EP_NO: N/A
 FS_HLM: 17.208
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 12-feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.20).
 FS Date: 04/23/2014

LM Start	17.22	Rating **	M	Issue No.	1336 (cont)
LM End	17.22	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3607.jpg



Headwall and pipe visible on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3608.jpg



Headwall, flapgate, and pipe visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	17.54	Rating **	M	Issue No.	1337
LM End	17.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.127843 °	37.127843 °
				-120.585245 °	-120.585245 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39599 DS_ID:19743 EP_NO: N/A FS_HLM: 17.527 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	17.54	Rating **	M	Issue No.	1337 (cont)
LM End	17.54	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_3609.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 2 : UCIP_FA_2015_3610.jpg



Pipe and headwall visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	18.09	Rating **	M	Issue No.	1338
LM End	18.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34747 DS_ID:19745 EP_NO: N/A FS_HLM: 18.075 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	18.09	Rating **	M	Issue No.	1338 (cont)
LM End	18.09	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3633.jpg



Headwall and pipe visible on LS toe.

Photo 2 of 3 : UCIP_FA_2015_3634.jpg



Headwall, pipe, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	18.09	Rating **	M	Issue No.	1338 (cont)
LM End	18.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34747 DS_ID:19745 EP_NO: N/A FS_HLM: 18.075 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3635.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	18.70	Rating **	M	Issue No.	1339
LM End	18.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.115472 °	37.115472 °
				-120.573628 °	-120.573628 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39600 DS_ID:19746 EP_NO: N/A FS_HLM: 18.686 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.68). FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3636.jpg



Headwall, pipe and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	18.70	Rating **	M	Issue No.	1339 (cont)
LM End	18.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.115472 °	37.115472 °
				-120.573628 °	-120.573628 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39600 DS_ID:19746 EP_NO: N/A FS_HLM: 18.686 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.68). FS Date: 04/23/2014					

LM Start	18.70	Rating **	M	Issue No.	1339 (cont)
LM End	18.70	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3637.jpg



Headwall, pipe and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2015_3638.jpg



Headwall and pipe on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	19.15	Rating **	M	Issue No.	1340
LM End	19.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.115466 °	37.115466 °
				-120.565467 °	-120.565467 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39601					
DS_ID:19747					
EP_NO: N/A					
FS_HLM: 19.137					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	19.15	Rating **	M	Issue No.	1340 (cont)
LM End	19.15	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3639.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3640.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	19.15	Rating **	M	Issue No.	1340 (cont)
LM End	19.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.115466 °	37.115466 °
				-120.565467 °	-120.565467 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39601					
DS_ID:19747					
EP_NO: N/A					
FS_HLM: 19.137					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3641.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	19.48	Rating **	M	Issue No.	1341
LM End	19.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113542 °	37.113542 °
				-120.560389 °	-120.560389 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39602					
DS_ID:19777					
EP_NO: N/A					
FS_HLM: 19.461					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.46).					
FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3813.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	19.48	Rating **	M	Issue No.	1341 (cont)
LM End	19.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113542 °	37.113542 °
				-120.560389 °	-120.560389 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39602
 DS_ID:19777
 EP_NO: N/A
 FS_HLM: 19.461
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.0-feet below the crown. Flap gate on the waterward end.
 Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.46).
 FS Date: 04/23/2014

LM Start	19.48	Rating **	M	Issue No.	1341 (cont)
LM End	19.48	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3814.jpg



Headwall and pipe visible on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3815.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	19.51	Rating **	M	Issue No.	1342
LM End	19.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113172 °	37.113172 °
				-120.560014 °	-120.560014 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39345 DS_ID:24868 EP_NO: N/A FS_HLM: 19.494 Repair Type: Non-Urgent Crossing Status: Indicator Found					

LM Start	19.51	Rating **	M	Issue No.	1342 (cont)
LM End	19.51	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_5501.jpg



Gasline marker off LS of opposite bank.

Photo 2 of 2 : UCIP_FA_2015_5502.jpg



Gasline marker off 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	19.52	Rating **	M	Issue No.	1343
LM End	19.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112953 °	37.112953 °
				-120.559943 °	-120.559943 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39603					
DS_ID:19778					
EP_NO: N/A					
FS_HLM: 19.506					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	19.52	Rating **	M	Issue No.	1343 (cont)
LM End	19.52	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3816.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3817.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	19.52	Rating **	M	Issue No.	1343 (cont)
LM End	19.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112953 °	37.112953 °
				-120.559943 °	-120.559943 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39603 DS_ID:19778 EP_NO: N/A FS_HLM: 19.506 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3818.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	20.19	Rating **	M	Issue No.	1344
LM End	20.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.106149 °	37.106149
				-120.552538 °	-120.552538
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34759					
DS_ID:19782					
EP_NO: 13828					
FS_HLM: 20.13					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments:					
FIELD_STRUCT_DESC: *DELETE* NOT INSTALLED THROUGH					
THE LEVEE. 24-inch steel irrigation pipe through the levee, 4.0 feet					
below the crown. Pump missing from pad on the landward side. Steel					
cutoff wall around pipe at center of levee. Siphon breaker on apex of					
pipe on landward shoulder. Pre-existing ditch runs from waterward toe					
to channel. Pipe extends from pump to the channel. Rock revetment on					
the cut slopes of the inlet channel. (Permit No. 13828-1988)					
FS Date: 04/23/2014					

Photo 1 of 1 : UCIP_FA_2015_3840.jpg



Well head visible off LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	20.65	Rating **	M	Issue No.	1345
LM End	20.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.100903 °	37.100903 °
				-120.547282 °	-120.547282 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39605 DS_ID:19784 EP_NO: N/A FS_HLM: 20.593 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.59). FS Date: 04/23/2014					

LM Start	20.65	Rating **	M	Issue No.	1345 (cont)
LM End	20.65	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3841.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3842.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	20.65	Rating **	M	Issue No.	1345 (cont)
LM End	20.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.100903 °	37.100903 °
				-120.547282 °	-120.547282 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39605 DS_ID:19784 EP_NO: N/A FS_HLM: 20.593 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3843.jpg



Headwall and pipe visible on LS toe.

LM Start	21.13	Rating **	M	Issue No.	1346
LM End	21.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.095603 °	37.095603 °
				-120.541593 °	-120.541593 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39606					
DS_ID:19785					
EP_NO: N/A					
FS_HLM: 21.075					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.8-feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.08).					
FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3844.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	21.13	Rating **	M	Issue No.	1346 (cont)
LM End	21.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.095603 °	37.095603 °
				-120.541593 °	-120.541593 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39606 DS_ID:19785 EP_NO: N/A FS_HLM: 21.075 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.8-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.08). FS Date: 04/23/2014					

LM Start	21.13	Rating **	M	Issue No.	1346 (cont)
LM End	21.13	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3845.jpg



Headwall and pipe visible on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3846.jpg



Headwall, pipe, and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	21.48	Rating **	M	Issue No.	1347
LM End	21.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.091755 °	37.091755 °
				-120.537414 °	-120.537414 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39614					
DS_ID:19786					
EP_NO: N/A					
FS_HLM: 21.427					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	21.48	Rating **	M	Issue No.	1347 (cont)
LM End	21.48	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3938.jpg



Headwall and pipe visible on LS toe.

Photo 2 of 3 : UCIP_FA_2015_3939.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	21.48	Rating **	M	Issue No.	1347 (cont)
LM End	21.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.091755 °	37.091755 °
				-120.537414 °	-120.537414 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39614 DS_ID:19786 EP_NO: N/A FS_HLM: 21.427 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3940.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	21.91	Rating **	M	Issue No.	1348
LM End	21.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.087525 °	37.087525 °
				-120.532827 °	-120.532827 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39883 DS_ID:19787 EP_NO: N/A FS_HLM: 21.813 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.81). FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3941.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	21.91	Rating **	M	Issue No.	1348 (cont)
LM End	21.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.087525 °	37.087525 °
				-120.532827 °	-120.532827 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39883 DS_ID:19787 EP_NO: N/A FS_HLM: 21.813 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.81). FS Date: 04/23/2014					

LM Start	21.91	Rating **	M	Issue No.	1348 (cont)
LM End	21.91	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3942.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2015_3943.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	21.95	Rating **	M	Issue No.	1349
LM End	21.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.087108 °	37.087108 °
				-120.532374 °	-120.532374 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39610 DS_ID:19788 EP_NO: N/A FS_HLM: 21.851 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	21.95	Rating **	M	Issue No.	1349 (cont)
LM End	21.95	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3944.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3945.jpg



Headwall and pipe visible 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	21.95	Rating **	M	Issue No.	1349 (cont)
LM End	21.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.087108 °	37.087108
				-120.532374 °	-120.532374
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39610					
DS_ID:19788					
EP_NO: N/A					
FS_HLM: 21.851					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3946.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	22.28	Rating **	M	Issue No.	1350
LM End	22.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39611 DS_ID:19789 EP_NO: N/A FS_HLM: 22.189 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.19). FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3972.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	22.28	Rating **	M	Issue No.	1350 (cont)	
LM End	22.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.083410 °	37.083410 °	
				-120.528356 °	-120.528356 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39611 DS_ID:19789 EP_NO: N/A FS_HLM: 22.189 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.19). FS Date: 04/23/2014						

Photo 2 of 3 : UCIP_FA_2015_3973.jpg



Headwall and pipe visible on LS toe.

LM Start	22.28	Rating **	M	Issue No.	1350 (cont)
LM End	22.28	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_3974.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	22.55	Rating **	M	Issue No.	1351
LM End	22.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.080486 °	37.080486 °
				-120.525180 °	-120.525180 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39613 DS_ID:19790 EP_NO: N/A FS_HLM: 22.457 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	22.55	Rating **	M	Issue No.	1351 (cont)
LM End	22.55	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3975.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3976.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	22.55	Rating **	M	Issue No.	1351 (cont)
LM End	22.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.080486 °	37.080486 °
				-120.525180 °	-120.525180 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39613 DS_ID:19790 EP_NO: N/A FS_HLM: 22.457 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3977.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	22.89	Rating **	M	Issue No.	1352
LM End	22.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.076830 °	37.076830 °
				-120.521116 °	-120.521116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39616					
DS_ID:19791					
EP_NO: N/A					
FS_HLM: 22.794					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.94).					
FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3978.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	22.89	Rating **	M	Issue No.	1352 (cont)
LM End	22.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.076830 °	37.076830 °
				-120.521116 °	-120.521116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39616 DS_ID:19791 EP_NO: N/A FS_HLM: 22.794 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.94). FS Date: 04/23/2014					

LM Start	22.89	Rating **	M	Issue No.	1352 (cont)
LM End	22.89	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3979.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2015_3980.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	23.03	Rating **	M	Issue No.	1353
LM End	23.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.075387 °	37.075387 °
				-120.519406 °	-120.519406 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39617					
DS_ID:19792					
EP_NO: N/A					
FS_HLM: 22.931					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	23.03	Rating **	M	Issue No.	1353 (cont)
LM End	23.03	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3981.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3982.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	23.03	Rating **	M	Issue No.	1353 (cont)
LM End	23.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.075387 °	37.075387 °
				-120.519406 °	-120.519406 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39617					
DS_ID:19792					
EP_NO: N/A					
FS_HLM: 22.931					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3983.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	23.17	Rating **	M	Issue No.	1354
LM End	23.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.073901 °	37.073901 °
				-120.517651 °	-120.517651 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39618 DS_ID:19793 EP_NO: N/A FS_HLM: 23.072 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris blocking closure of outlet. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.5-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. FS Date: 04/23/2014					

Photo 1 of 3 : UCIP_FA_2015_3984.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	23.17	Rating **	M	Issue No.	1354 (cont)	
LM End	23.17	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.073901 °	37.073901 °	
				-120.517651 °	-120.517651 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39618 DS_ID:19793 EP_NO: N/A FS_HLM: 23.072 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris blocking closure of outlet. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.5-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. FS Date: 04/23/2014						

LM Start	23.17	Rating **	M	Issue No.	1354 (cont)
LM End	23.17	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3985.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4099.jpg



Debris blocking closure of outlet on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	23.72	Rating **	M	Issue No.	1355
LM End	23.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.067799 °	37.067799 °
				-120.511093 °	-120.511093 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39621					
DS_ID:19796					
EP_NO: N/A					
FS_HLM: 23.626					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	23.72	Rating **	M	Issue No.	1355 (cont)
LM End	23.72	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4043.jpg



Flapgate on Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4044.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	23.72	Rating **	M	Issue No.	1355 (cont)
LM End	23.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.067799 °	37.067799 °
				-120.511093 °	-120.511093 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39621					
DS_ID:19796					
EP_NO: N/A					
FS_HLM: 23.626					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4045.jpg



Concrete headwall on WS toe.

LM Start	24.02	Rating **	M	Issue No.	1356
LM End	24.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.064494 °	37.064494 °
				-120.507531 °	-120.507531 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39620					
DS_ID:19797					
EP_NO: N/A					
FS_HLM: 23.927					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 12.1 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 23.85).					
FS Date: 03/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4189.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	24.02	Rating **	M	Issue No.	1356 (cont)
LM End	24.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.064494 °	37.064494 °
				-120.507531 °	-120.507531 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39620 DS_ID:19797 EP_NO: N/A FS_HLM: 23.927 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 12.1 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 23.85). FS Date: 03/25/2014					

LM Start	24.02	Rating **	M	Issue No.	1356 (cont)
LM End	24.02	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4190.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4276.jpg



Flapgate at Concrete headwall on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	24.28	Rating **	M	Issue No.	1312
LM End	24.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.061724 °	37.061724 °
				-120.504512 °	-120.504512 °
DWR ID	DWR_NA0010_05_f_2015_1312				
Action/Comments					
Inspector Comments: FS_ID:46850					
DS_ID:19798					
EP_NO: N/A					
FS_HLM: 24.141					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_1246.jpg



Concrete headwall at LS toe.

LM Start	24.28	Rating **	M	Issue No.	1312 (cont)
LM End	24.28	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_1247.jpg



Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	24.28	Rating **	M	Issue No.	1312 (cont)
LM End	24.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.061724 °	37.061724 °
				-120.504512 °	-120.504512 °
DWR ID	DWR_NA0010_05_f_2015_1312				
Action/Comments					
Inspector Comments: FS_ID:46850 DS_ID:19798 EP_NO: N/A FS_HLM: 24.141 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4191.jpg



Flapgate at concrete headwall at WS toe.

LM Start	24.56	Rating **	M	Issue No.	1357
LM End	24.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.058673 °	37.058673 °
				-120.501238 °	-120.501238 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39623					
DS_ID:19799					
EP_NO: N/A					
FS_HLM: 24.458					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 24.46).					
FS Date: 03/25/2014					

Photo 1 of 3 : UCIP_FA_2015_1248.jpg



Flapgate at Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	24.56	Rating **	M	Issue No.	1357 (cont)
LM End	24.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.058673 °	37.058673 °
				-120.501238 °	-120.501238 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39623 DS_ID:19799 EP_NO: N/A FS_HLM: 24.458 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 24.46). FS Date: 03/25/2014					

LM Start	24.56	Rating **	M	Issue No.	1357 (cont)
LM End	24.56	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_1249.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_1250.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	24.98	Rating **	M	Issue No.	1358
LM End	24.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.054146 °	37.054146 °
				-120.495968 °	-120.495968 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41716					
DS_ID:19802					
EP_NO: 12873					
FS_HLM: 24.885					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	24.98	Rating **	M	Issue No.	1358 (cont)
LM End	24.98	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1251.jpg



Power pole, meter, and electrical panel off LS toe.

Photo 2 of 3 : UCIP_FA_2015_1252.jpg



Slant pump at channel on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	24.98	Rating **	M	Issue No.	1358 (cont)
LM End	24.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.054146 °	37.054146 °
				-120.495968 °	-120.495968 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41716					
DS_ID:19802					
EP_NO: 12873					
FS_HLM: 24.885					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1253.jpg



Buried Siphon breaker on WS shoulder.

LM Start	25.24	Rating **	M	Issue No.	1359
LM End	25.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.051477 °	37.051477 °
				-120.492650 °	-120.492650 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32789					
DS_ID:19803					
EP_NO: N/A					
FS_HLM: 25.145					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate propped open during flood season.					
FIELD_STRUCT_DESC: 30-inch C.M. stormdrain pipe through the					
levee, 11.3 feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the					
waterward end. (USACE-1967). This entry matches the Drainage or					
Irrigation Structure referenced in O&M manual (HLM 25.13).					
FS Date: 03/25/2014					

Photo 1 of 3 : UCIP_FA_2015_1254.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	25.24	Rating **	M	Issue No.	1359 (cont)
LM End	25.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.051477 °	37.051477 °
				-120.492650 °	-120.492650 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:32789
 DS_ID:19803
 EP_NO: N/A
 FS_HLM: 25.145
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Flapgate propped open during flood season.
 FIELD_STRUCT_DESC: 30-inch C.M. stormdrain pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 25.13).
 FS Date: 03/25/2014

LM Start	25.24	Rating **	M	Issue No.	1359 (cont)
LM End	25.24	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_1255.jpg



Concrete headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_1256.jpg



Concrete headwall and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	25.59	Rating **	M	Issue No.	9
LM End	25.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.047630 °	37.047042 °
				-120.488530 °	-120.488092 °
DWR ID	DWR_NA0010_05_s _ 2012_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	25.61	Rating **	M	Issue No.	1360
LM End	25.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39625 DS_ID:19804 EP_NO: N/A FS_HLM: 25.51 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch C.M. pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 25.51). FS Date: 03/25/2014					

Photo 1 of 3 : UCIP_FA_2015_1257.jpg



Concrete headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	25.61	Rating **	M	Issue No.	1360 (cont)
LM End	25.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39625 DS_ID:19804 EP_NO: N/A FS_HLM: 25.51 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch C.M. pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 25.51). FS Date: 03/25/2014					

Photo 2 of 3 : UCIP_FA_2015_1258.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_1259.jpg



Flapgate on concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	25.63	Rating **	M	Issue No.	1361
LM End	25.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047170 °	37.047170 °
				-120.488222 °	-120.488222 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39626 DS_ID:19805 EP_NO: N/A FS_HLM: 25.532 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	25.63	Rating **	M	Issue No.	1361 (cont)
LM End	25.63	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1260.jpg



Inside pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2015_1261.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	25.63	Rating **	M	Issue No.	1361 (cont)
LM End	25.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047170 °	37.047170 °
				-120.488222 °	-120.488222 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39626 DS_ID:19805 EP_NO: N/A FS_HLM: 25.532 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4208.jpg



Flapgate on headwall at WS toe.

LM Start	26.20	Rating **	M	Issue No.	1362
LM End	26.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.040070 °	37.040070 °
				-120.482796 °	-120.482796 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39627 DS_ID:19806 EP_NO: N/A FS_HLM: 26.106 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 26.11). FS Date: 03/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4209.jpg



Flapgate on Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	26.20	Rating **	M	Issue No.	1362 (cont)
LM End	26.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.040070 °	37.040070 °
				-120.482796 °	-120.482796 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39627
 DS_ID:19806
 EP_NO: N/A
 FS_HLM: 26.106
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 26.11).
 FS Date: 03/25/2014

LM Start	26.20	Rating **	M	Issue No.	1362 (cont)
LM End	26.20	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4210.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4211.jpg



Concrete headwall on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	26.95	Rating **	M	Issue No.	1363
LM End	26.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032669 °	37.032669 °
				-120.473901 °	-120.473901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39628					
DS_ID:19808					
EP_NO: N/A					
FS_HLM: 26.85					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4277.jpg



Silt buildup in pipe at LS toe.

LM Start	26.95	Rating **	M	Issue No.	1363 (cont)
LM End	26.95	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4278.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	26.95	Rating **	M	Issue No.	1363 (cont)
LM End	26.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032669 °	37.032669 °
				-120.473901 °	-120.473901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39628 DS_ID:19808 EP_NO: N/A FS_HLM: 26.85 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4279.jpg



Concrete headwall on LS toe.

LM Start	26.97	Rating **	M	Issue No.	1364
LM End	26.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032680 °	37.032680 °
				-120.473454 °	-120.473454 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32806 DS_ID:19748 EP_NO: N/A FS_HLM: 26.875 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tumble weed buildup at inlet mat create blockage and should be removed. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 26.87). FS Date: 03/25/2014					

Photo 1 of 3 : UCIP_FA_2015_4283.jpg



Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	26.97	Rating **	M	Issue No.	1364 (cont)
LM End	26.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032680 °	37.032680 °
				-120.473454 °	-120.473454 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:32806
 DS_ID:19748
 EP_NO: N/A
 FS_HLM: 26.875
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Tumble weed buildup at inlet mat create blockage and should be removed.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 26.87).
 FS Date: 03/25/2014

LM Start	26.97	Rating **	M	Issue No.	1364 (cont)
LM End	26.97	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4284.jpg



Concrete headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2015_4285.jpg



Flapgate and Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	28.26	Rating **	M	Issue No.	1365
LM End	28.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032623 °	37.032623 °
				-120.450108 °	-120.450108 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32823					
DS_ID:19750					
EP_NO: N/A					
FS_HLM: 28.165					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4286.jpg



Concrete headwall on LS toe.

LM Start	28.26	Rating **	M	Issue No.	1365 (cont)
LM End	28.26	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4287.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	28.26	Rating **	M	Issue No.	1365 (cont)
LM End	28.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032623 °	37.032623 °
				-120.450108 °	-120.450108 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32823					
DS_ID:19750					
EP_NO: N/A					
FS_HLM: 28.165					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4288.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	29.05	Rating **	U	Issue No.	1366
LM End	29.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.028295 °	37.028295 °
				-120.439275 °	-120.439275 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32830 DS_ID:19752 EP_NO: N/A FS_HLM: 28.948 Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate will not close due to 24-inch PVC pipe sleeved through pipe. Also slide gate rails rusted beyond use. FIELD_STRUCT_DESC: 48-inch concrete irrigation siphon pipe through the levee, 12.1 feet below the crown. Concrete "U" headwall on inlet structure on the landward end. Slide gate mounted on headwall. 36-inch C.M. pipe riser unit with slide gate, 8.0 feet upstream from siphon on the landward side. 24-inch pipe from this unit enters siphon behind inlet structure. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 28.95). [Rodunder Siphon Structure] FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4454.jpg



24-inch PVC pipe sleeved through 48-inch concrete pipe. Rails on Slide gate rusted beyond use.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	29.05	Rating **	U	Issue No.	1366 (cont)
LM End	29.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.028295 °	37.028295 °
				-120.439275 °	-120.439275 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32830 DS_ID:19752 EP_NO: N/A FS_HLM: 28.948 Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate will not close due to 24-inch PVC pipe sleeved through pipe. Also slide gate rails rusted beyond use. FIELD_STRUCT_DESC: 48-inch concrete irrigation siphon pipe through the levee, 12.1 feet below the crown. Concrete "U" headwall on inlet structure on the landward end. Slide gate mounted on headwall. 36-inch C.M. pipe riser unit with slide gate, 8.0 feet upstream from siphon on the landward side. 24-inch pipe from this unit enters siphon behind inlet structure. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 28.95). [Rodunder Siphon Structure] FS Date: 03/27/2014					

LM Start	29.05	Rating **	U	Issue No.	1366 (cont)
LM End	29.05	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4455.jpg



24-inch PVC pipe sleeved through 48-inch concrete pipe.

Photo 3 of 3 : UCIP_FA_2015_4477.jpg



Slide gate mounted to concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	29.58	Rating **	M	Issue No.	1367
LM End	29.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.021497 °	37.021497 °
				-120.434602 °	-120.434602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39884 DS_ID:19753 EP_NO: N/A FS_HLM: 29.484 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	29.58	Rating **	M	Issue No.	1367 (cont)
LM End	29.58	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4478.jpg



Flapgate on Concrete headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4479.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	29.58	Rating **	M	Issue No.	1367 (cont)
LM End	29.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.021497 °	37.021497 °
				-120.434602 °	-120.434602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39884 DS_ID:19753 EP_NO: N/A FS_HLM: 29.484 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4480.jpg



Concrete headwall on LS toe.

LM Start	29.68	Rating **	M	Issue No.	171
LM End	29.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.020272 °	37.018712 °
				-120.433737 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Waterside erosion caused by livestock.					

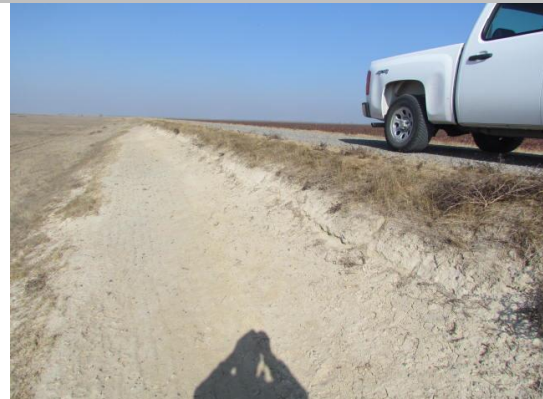
Photo 1 of 2 : FA_2015_NA0010_123_171_20150914_00012.jpg



Looking south at erosion caused by livestock on landside slope.

LM Start	29.68	Rating **	M	Issue No.	171 (cont)
LM End	29.80	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_123_171_20150914_00013.jpg



Looking south at livestock erosion on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	29.82	Rating **	M	Issue No.	1368
LM End	29.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.018505 °	37.018505 °
				-120.432544 °	-120.432544 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39631					
DS_ID:19754					
EP_NO: N/A					
FS_HLM: 29.72					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4481.jpg



Concrete headwall on WS toe.

LM Start	29.82	Rating **	M	Issue No.	1368 (cont)
LM End	29.82	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4482.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	29.82	Rating **	M	Issue No.	1368 (cont)
LM End	29.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.018505 °	37.018505 °
				-120.432544 °	-120.432544 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39631					
DS_ID:19754					
EP_NO: N/A					
FS_HLM: 29.72					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4483.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	29.86	Rating **	A/W	Issue No.	21
LM End	31.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.017953 °	36.996773 °
				-120.432132 °	-120.410739 °
DWR ID	DWR_NA0010_05_f_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	29.89	Rating **	M	Issue No.	16
LM End	29.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017540 °	37.017540 °
				-120.431955 °	-120.431955 °
DWR ID	DWR_NA0010_05_s_2012_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	30.14	Rating **	M	Issue No.	1369
LM End	30.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.014471 °	37.014471 °
				-120.429759 °	-120.429759 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39632 DS_ID:19696 EP_NO: N/A FS_HLM: 30.038 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square stormdrain R.C.B.C. through the levee, 13.1 feet below the crown. Concrete "U", headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 30.04). FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4484.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4485.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	30.14	Rating **	M	Issue No.	1369 (cont)
LM End	30.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.014471 °	37.014471 °
				-120.429759 °	-120.429759 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39632					
DS_ID:19696					
EP_NO: N/A					
FS_HLM: 30.038					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4486.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	30.46	Rating **	C	Issue No.	22
LM End	34.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.010443 °	36.978581 °
				-120.426820 °	-120.368381 °
DWR ID	DWR_NA0010_05_f_2012_22				
Action/Comments					
Keep the crown roadway free of vegetation. Inspector Comments: Control wild growth on levee 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	31.06	Rating **	M	Issue No.	1370
LM End	31.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.004212 °	37.004212 °
				-120.419178 °	-120.419178 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39633 DS_ID:19697 EP_NO: N/A FS_HLM: 30.964 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through the levee, 13.3 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 30.96). FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4487.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4488.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	31.06	Rating **	M	Issue No.	1370 (cont)
LM End	31.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.004212 °	37.004212 °
				-120.419178 °	-120.419178 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39633					
DS_ID:19697					
EP_NO: N/A					
FS_HLM: 30.964					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4489.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	31.30	Rating **	M	Issue No.	1371
LM End	31.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.001754 °	37.001754 °
				-120.416254 °	-120.416254 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39643 DS_ID:19698 EP_NO: N/A FS_HLM: 31.198 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through levee, 13.4 feet below crown. Concrete "U" headwall on waterward end. Flap gate on waterward end. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 31.19). FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4490.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	31.30	Rating **	M	Issue No.	1371 (cont)
LM End	31.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.001754 °	37.001754 °
				-120.416254 °	-120.416254 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39643 DS_ID:19698 EP_NO: N/A FS_HLM: 31.198 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through levee, 13.4 feet below crown. Concrete "U" headwall on waterward end. Flap gate on waterward end. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 31.19). FS Date: 03/27/2014					

Photo 2 of 3 : UCIP_FA_2015_4491.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4492.jpg



Flapgate at concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	31.80	Rating **	M	Issue No.	1372
LM End	31.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995029 °	36.995029 °
				-120.408914 °	-120.408914 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39645 DS_ID:19700 EP_NO: N/A FS_HLM: 31.67 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	31.80	Rating **	M	Issue No.	1372 (cont)
LM End	31.80	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4025.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4026.jpg



Concrete headwall at channel on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	31.80	Rating **	M	Issue No.	1372 (cont)
LM End	31.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995029 °	36.995029
				-120.408914 °	-120.408914
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39645					
DS_ID:19700					
EP_NO: N/A					
FS_HLM: 31.67					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4027.jpg



Flapgate on Concrete headwall at channel on WS toe.

LM Start	32.32	Rating **	M	Issue No.	1373
LM End	32.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.989435 °	36.989435 °
				-120.402626 °	-120.402626 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39646					
DS_ID:19701					
EP_NO: N/A					
FS_HLM: 32.219					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some silt buildup inside culvert.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 14.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end with flashboard attachment. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 32.22).					
FS Date: 04/01/2014					

Photo 1 of 3 : UCIP_FA_2015_3721.jpg



Concrete headwall at inlet on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	32.32	Rating **	M	Issue No.	1373 (cont)
LM End	32.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.989435 °	36.989435 °
				-120.402626 °	-120.402626 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39646
 DS_ID:19701
 EP_NO: N/A
 FS_HLM: 32.219
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some silt buildup inside culvert.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 14.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end with flashboard attachment. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 32.22).
 FS Date: 04/01/2014

LM Start	32.32	Rating **	M	Issue No.	1373 (cont)
LM End	32.32	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4028.jpg



Flapgate on Concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2015_4029.jpg



Concrete headwall at outlet on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	33.11	Rating **	M	Issue No.	1374
LM End	33.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.980861 °	36.980861 °
				-120.393116 °	-120.393116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39647					
DS_ID:19702					
EP_NO: N/A					
FS_HLM: 33.009					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	33.11	Rating **	M	Issue No.	1374 (cont)
LM End	33.11	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4057.jpg



Concrete headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2015_4058.jpg



Concrete headwall at inlet on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	33.11	Rating **	M	Issue No.	1374 (cont)
LM End	33.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.980861 °	36.980861 °
				-120.393116 °	-120.393116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39647					
DS_ID:19702					
EP_NO: N/A					
FS_HLM: 33.009					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4059.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	33.81	Rating **	M	Issue No.	1375
LM End	33.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.976808 °	36.976808 °
				-120.382593 °	-120.382593 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39648 DS_ID:19703 EP_NO: N/A FS_HLM: 33.708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 13.9 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 33.72). FS Date: 04/01/2014					

Photo 1 of 3 : UCIP_FA_2015_4060.jpg



Flapgate on Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	33.81	Rating **	M	Issue No.	1375 (cont)
LM End	33.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.976808 °	36.976808 °
				-120.382593 °	-120.382593 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39648 DS_ID:19703 EP_NO: N/A FS_HLM: 33.708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 13.9 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 33.72). FS Date: 04/01/2014					

LM Start	33.81	Rating **	M	Issue No.	1375 (cont)
LM End	33.81	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4061.jpg



Concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2015_4062.jpg



Concrete headwall at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

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			36.978555 °	36.978555 °
				-120.368467 °	-120.368467 °
DWR ID	DWR_NA0010_05_s_2012_11				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on waterside slope. Ramp is caused by vehicle traffic.					

Photo 1 of 1 : FA_2015_NA0010_123_11_20150914_00010.jpg



Looking southwest at unauthorized ramp on waterward slope.

LM Start	34.61	Rating **	M	Issue No.	1376
LM End	34.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.978593 °	36.978593 °
				-120.368511 °	-120.368511 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39649 DS_ID:19755 EP_NO: N/A FS_HLM: 34.508 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch square R.C.B.C. through the levee, 9.7 feet below the crown. Slide gate in 56"X91" concrete riser unit on the waterward slope. Concrete "U" headwalls on both ends. Landside channel cobble revetted for 8.0 feet. (USACE-1967). [Chowchilla Canal Irrigation Structure] This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 34.51). FS Date: 04/01/2014					

Photo 1 of 3 : UCIP_FA_2015_4063.jpg



Concrete headwall at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	10/06/2015 10/07/2015	Richard Willoughby

LM Start	34.61	Rating **	M	Issue No.	1376 (cont)
LM End	34.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.978593 °	36.978593 °
				-120.368511 °	-120.368511 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39649
 DS_ID:19755
 EP_NO: N/A
 FS_HLM: 34.508
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 36-inch square R.C.B.C. through the levee, 9.7 feet below the crown. Slide gate in 56"X91" concrete riser unit on the waterward slope. Concrete "U" headwalls on both ends. Landside channel cobble revetted for 8.0 feet. (USACE-1967). [Chowchilla Canal Irrigation Structure] This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 34.51).
 FS Date: 04/01/2014

LM Start	34.61	Rating **	M	Issue No.	1376 (cont)
LM End	34.61	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4064.jpg



Concrete headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2015_4065.jpg



Slide gate in concrete riser on WS shoulder.

* 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 06 East Side Bypass			Left	36.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/20/2015 - 05/21/2015		10/07/2015 - 10/08/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	0.66	Rating **	M	Issue No.	1213
LM End	0.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271444 °	37.271444 °
				-120.815835 °	-120.815835 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39463
 DS_ID:19815
 EP_NO: N/A
 FS_HLM: 0.718
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Sediment buildup on landward side. Recommend removing sediment buildup on landward toe.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 7.2 feet below crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Pump on concrete structure in channel. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.74).
 FS Date: 04/18/2014

LM Start	0.66	Rating **	M	Issue No.	1213 (cont)
LM End	0.66	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4920.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_4942.jpg



Pump station visible on waterward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	0.66	Rating **	M	Issue No.	1213 (cont)
LM End	0.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271444 °	37.271444 °
				-120.815835 °	-120.815835 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39463 DS_ID:19815 EP_NO: N/A FS_HLM: 0.718 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4943.jpg



View of slope on waterward side.

LM Start	0.78	Rating **	M	Issue No.	1214
LM End	0.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.270460 °	37.270460 °
				-120.814290 °	-120.814290 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36565					
DS_ID:19816					
EP_NO: N/A					
FS_HLM: 0.846					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Landward side blocked--need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.2 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.86).					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_4944.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	0.78	Rating **	M	Issue No.	1214 (cont)
LM End	0.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.270460 °	37.270460 °
				-120.814290 °	-120.814290 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36565
 DS_ID:19816
 EP_NO: N/A
 FS_HLM: 0.846
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Landward side blocked--need to contact owner to determine status of crossing.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.2 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.86).
 FS Date: 04/18/2014

LM Start	0.78	Rating **	M	Issue No.	1214 (cont)
LM End	0.78	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4945.jpg



Concrete structure located on waterward toe.

Photo 3 of 3 : UCIP_FA_2015_4946.jpg



Overview of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	1.84	Rating **	M	Issue No.	125
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259527 °	37.259527 °
				-120.803300 °	-120.803300 °
DWR ID	DWR_NA0010_06_s _ 2012_125				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.87	Rating **	M	Issue No.	1215
LM End	1.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.259312 °	37.259312 °
				-120.802863 °	-120.802863 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36566					
DS_ID:19817					
EP_NO: N/A					
FS_HLM: 1.936					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 13.5 feet below crown. Flap gate on the waterward end. Concrete headwall at both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.95).					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_4947.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	1.87	Rating **	M	Issue No.	1215 (cont)
LM End	1.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.259312 °	37.259312 °
				-120.802863 °	-120.802863 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36566
 DS_ID:19817
 EP_NO: N/A
 FS_HLM: 1.936
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 13.5 feet below crown. Flap gate on the waterward end. Concrete headwall at both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.95).
 FS Date: 04/18/2014

LM Start	1.87	Rating **	M	Issue No.	1215 (cont)
LM End	1.87	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4948.jpg



Flap gate visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_4949.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	2.53	Rating **	M	Issue No.	1216
LM End	2.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252948 °	37.252948 °
				-120.794352 °	-120.794352 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39464					
DS_ID:19818					
EP_NO: N/A					
FS_HLM: 2.595					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	2.53	Rating **	M	Issue No.	1216 (cont)
LM End	2.53	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4950.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_5052.jpg



CMP riser, concrete headwall, and pipe visible on waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	2.53	Rating **	M	Issue No.	1216 (cont)
LM End	2.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252948 °	37.252948 °
				-120.794352 °	-120.794352 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39464					
DS_ID:19818					
EP_NO: N/A					
FS_HLM: 2.595					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5053.jpg



View of waterward side.

LM Start	2.57	Rating **	M	Issue No.	1217
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252743 °	37.252743 °
				-120.793756 °	-120.793756 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36568 DS_ID:19819 EP_NO: N/A FS_HLM: 2.631 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5054.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	2.57	Rating **	M	Issue No.	1217 (cont)
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252743 °	37.252743 °
				-120.793756 °	-120.793756 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36568
 DS_ID:19819
 EP_NO: N/A
 FS_HLM: 2.631
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65).
 FS Date: 04/18/2014

LM Start	2.57	Rating **	M	Issue No.	1217 (cont)
LM End	2.57	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5055.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5056.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	2.77	Rating **	M	Issue No.	1218
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253020 °	37.253020 °
				-120.790219 °	-120.790219 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36569					
DS_ID:19820					
EP_NO: N/A					
FS_HLM: 2.835					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5057.jpg



Overview of levee crown at crossing.

LM Start	2.77	Rating **	M	Issue No.	1218 (cont)
LM End	2.77	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5058.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	2.77	Rating **	M	Issue No.	1218 (cont)
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253020 °	37.253020 °
				-120.790219 °	-120.790219 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36569					
DS_ID:19820					
EP_NO: N/A					
FS_HLM: 2.835					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5059.jpg



View of landward side.

LM Start	3.01	Rating **	M	Issue No.	1219
LM End	3.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253811 °	37.253811 °
				-120.786059 °	-120.786059 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36583 DS_ID:19821 EP_NO: N/A FS_HLM: 3.073 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24 inch CM pipe through levee, 11.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.09). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5060.jpg



Flap gate and concrete headwall visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.01	Rating **	M	Issue No.	1219 (cont)
LM End	3.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253811 °	37.253811 °
				-120.786059 °	-120.786059 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36583
 DS_ID:19821
 EP_NO: N/A
 FS_HLM: 3.073
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24 inch CM pipe through levee, 11.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.09).
 FS Date: 04/18/2014

LM Start	3.01	Rating **	M	Issue No.	1219 (cont)
LM End	3.01	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5061.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5062.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.21	Rating **	M	Issue No.	1220
LM End	3.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253513 °	37.253513 °
				-120.782509 °	-120.782509 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36584					
DS_ID:19822					
EP_NO: N/A					
FS_HLM: 3.267					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5063.jpg



Overview of levee crown and landward side.

LM Start	3.21	Rating **	M	Issue No.	1220 (cont)
LM End	3.21	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5064.jpg



Crossing goes through the levee at an angle. Flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.21	Rating **	M	Issue No.	1220 (cont)
LM End	3.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253513 °	37.253513
				-120.782509 °	-120.782509
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36584					
DS_ID:19822					
EP_NO: N/A					
FS_HLM: 3.267					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5065.jpg



View of waterward side.

LM Start	3.38	Rating **	M	Issue No.	1221
LM End	3.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252152 °	37.252152 °
				-120.779969 °	-120.779969 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36585 DS_ID:19823 EP_NO: N/A FS_HLM: 3.44 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 15.7 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. BM stamped 9770-152 on top of the headwall on the waterward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.43). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5066.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.38	Rating **	M	Issue No.	1221 (cont)
LM End	3.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252152 °	37.252152 °
				-120.779969 °	-120.779969 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36585 DS_ID:19823 EP_NO: N/A FS_HLM: 3.44 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 15.7 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. BM stamped 9770-152 on top of the headwall on the waterward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.43). FS Date: 04/18/2014					

LM Start	3.38	Rating **	M	Issue No.	1221 (cont)
LM End	3.38	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5067.jpg



Flap gate and concrete headwall visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_5105.jpg



View of landward side. No signs of concrete headwall only siphon breaker visible on landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.41	Rating **	M	Issue No.	1222
LM End	3.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251902 °	37.251902 °
				-120.779391 °	-120.779391 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39482					
DS_ID:19824					
EP_NO: 6965					
FS_HLM: 3.477					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	3.41	Rating **	M	Issue No.	1222 (cont)
LM End	3.41	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6213.jpg



Metal box located on waterward shoulder.

Photo 2 of 3 : UCIP_FA_2015_6214.jpg



View of structure located on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.41	Rating **	M	Issue No.	1222 (cont)
LM End	3.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251902 °	37.251902 °
				-120.779391 °	-120.779391 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39482					
DS_ID:19824					
EP_NO: 6965					
FS_HLM: 3.477					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_6215.jpg



View of waterward side.

LM Start	3.46	Rating **	M	Issue No.	1223
LM End	3.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251687 °	37.251687 °
				-120.778534 °	-120.778534 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39465 DS_ID:19825 EP_NO: N/A FS_HLM: 3.528 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.8 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete headwall on both ends. Pipe connects to 30-inch steel drainpipe on waterward side. Drainpipe extends to pump on waterward side, on support platform in channel. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.54). Extension drainpipe and pump installed under Permit No. 12527 (1980). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5106.jpg



View of waterward side--cmp riser and concrete headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.46	Rating **	M	Issue No.	1223 (cont)	
LM End	3.46	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.251687 °	37.251687 °	
				-120.778534 °	-120.778534 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39465 DS_ID:19825 EP_NO: N/A FS_HLM: 3.528 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.8 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete headwall on both ends. Pipe connects to 30-inch steel drainpipe on waterward side. Drainpipe extends to pump on waterward side, on support platform in channel. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.54). Extension drainpipe and pump installed under Permit No. 12527 (1980). FS Date: 04/18/2014						

Photo 2 of 3 : UCIP_FA_2015_5107.jpg



Inside view of cmp riser located on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.46	Rating **	M	Issue No.	1223 (cont)	
LM End	3.46	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.251687 °	37.251687 °	
				-120.778534 °	-120.778534 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39465 DS_ID:19825 EP_NO: N/A FS_HLM: 3.528 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.8 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete headwall on both ends. Pipe connects to 30-inch steel drainpipe on waterward side. Drainpipe extends to pump on waterward side, on support platform in channel. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.54). Extension drainpipe and pump installed under Permit No. 12527 (1980). FS Date: 04/18/2014						

Photo 3 of 3 : UCIP_FA_2015_5108.jpg



Inside view of pipe from waterward side.

LM Start	3.69	Rating **	M	Issue No.	1224
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251199 °	37.251199 °
				-120.774474 °	-120.774474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39466 DS_ID:19826 EP_NO: N/A FS_HLM: 3.755 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 7.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.77). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5223.jpg



View of flap gate visible on waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.69	Rating **	M	Issue No.	1224 (cont)
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251199 °	37.251199 °
				-120.774474 °	-120.774474 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39466
 DS_ID:19826
 EP_NO: N/A
 FS_HLM: 3.755
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 7.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.77).
 FS Date: 04/18/2014

LM Start	3.69	Rating **	M	Issue No.	1224 (cont)
LM End	3.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5224.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5225.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	3.89	Rating **	M	Issue No.	1225
LM End	3.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250742 °	37.250742 °
				-120.771026 °	-120.771026 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39467					
DS_ID:19827					
EP_NO: N/A					
FS_HLM: 3.956					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	3.89	Rating **	M	Issue No.	1225 (cont)
LM End	3.89	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_5221.jpg



Slide gate inside CMP riser visible on waterward slope.

Photo 2 of 2 : UCIP_FA_2015_5222.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.09	Rating **	M	Issue No.	1226
LM End	4.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248353 °	37.248353 °
				-120.768922 °	-120.768922 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36606					
DS_ID:19828					
EP_NO: N/A					
FS_HLM: 4.157					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	4.09	Rating **	M	Issue No.	1226 (cont)
LM End	4.09	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5226.jpg



Concrete hedwall visible on landward side.

Photo 2 of 3 : UCIP_FA_2015_5227.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.09	Rating **	M	Issue No.	1226 (cont)
LM End	4.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248353 °	37.248353 °
				-120.768922 °	-120.768922 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36606					
DS_ID:19828					
EP_NO: N/A					
FS_HLM: 4.157					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5228.jpg



View of waterward side.

LM Start	4.33	Rating **	M	Issue No.	1227
LM End	4.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.246459 °	37.246459 °
				-120.765470 °	-120.765470 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36607 DS_ID:19829 EP_NO: N/A FS_HLM: 4.394 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.3 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.41). FS Date: 04/18/2014					

Photo 1 of 2 : UCIP_FA_2015_5229.jpg



View of landward side--concrete headwall visible through 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.33	Rating **	M	Issue No.	1227 (cont)	
LM End	4.33	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.246459 °	37.246459 °	
				-120.765470 °	-120.765470 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:36607 DS_ID:19829 EP_NO: N/A FS_HLM: 4.394 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.3 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.41). FS Date: 04/18/2014						

Photo 2 of 2 : UCIP_FA_2015_5230.jpg



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

LM Start	4.61	Rating **	M	Issue No.	16
LM End	4.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.244012 °	37.244012 °
				-120.761372 °	-120.761372 °
DWR ID	DWR_NA0010_06_s_2012_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes on levee crown.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.62	Rating **	U	Issue No.	71
LM End	4.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.243951 °	37.243951 °
				-120.761313 °	-120.761313 °
DWR ID	DWR_NA0010_06_f_2015_71				
Action/Comments					
Pipe					
Inspector Comments: Landowner constructed dyke need drainage pipe.					

LM Start	4.62	Rating **	U	Issue No.	71 (cont)
LM End	4.62	Issue Type +	En	Location *	LS

LM Start	4.62	Rating **	U	Issue No.	71 (cont)
LM End	4.62	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2015_NA0010_124_71_20151013_00031.jpg



Looking at dyke around drainage pipe at landward toe.

Photo 2 of 3 : FA_2015_NA0010_124_71_20151013_00032.jpg



Looking south at dyke around drainage pipe at landward toe.

Photo 3 of 3 : FA_2015_NA0010_124_71_20151013_00033.jpg



Looking south at dyke around drainage pipe at landward toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.62	Rating **	M	Issue No.	1228
LM End	4.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39468 DS_ID:19830 EP_NO: N/A FS_HLM: 4.685 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	4.62	Rating **	M	Issue No.	1228 (cont)
LM End	4.62	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5231.jpg



Inside view of pipe from waterward side.

Photo 2 of 3 : UCIP_FA_2015_5232.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.62	Rating **	M	Issue No.	1228 (cont)
LM End	4.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39468					
DS_ID:19830					
EP_NO: N/A					
FS_HLM: 4.685					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5233.jpg



Inside view of CMP riser located on waterward.

LM Start	4.66	Rating **	M	Issue No.	10
LM End	4.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.243540 °	37.243540 °
				-120.760782 °	-120.760782 °
DWR ID	DWR_NA0010_06_s_2012_10				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes next to fence post on landward slope.					

Photo 1 of 2 : FA_2015_NA0010_124_10_20150914_00013.jpg



Looking at rodent hole along fence line on landward slope.

LM Start	4.66	Rating **	M	Issue No.	10 (cont)
LM End	4.66	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_124_10_20150914_00014.jpg



Looking at typical 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.67	Rating **	M	Issue No.	1229
LM End	4.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243408 °	37.243408 °
				-120.760564 °	-120.760564 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36609 DS_ID:19831 EP_NO: N/A FS_HLM: 4.75 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5234.jpg



View of landward side.

LM Start	4.67	Rating **	M	Issue No.	1229 (cont)
LM End	4.67	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5235.jpg



Flap gate, concrete headwall and apron visible on waterward 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.67	Rating **	M	Issue No.	1229 (cont)
LM End	4.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243408 °	37.243408 °
				-120.760564 °	-120.760564 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36609 DS_ID:19831 EP_NO: N/A FS_HLM: 4.75 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5236.jpg



View of waterward side.

LM Start	4.86	Rating **	M	Issue No.	1230
LM End	4.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242024 °	37.242024 °
				-120.757602 °	-120.757602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36610					
DS_ID:19862					
EP_NO: N/A					
FS_HLM: 4.931					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.94).					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5272.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	4.86	Rating **	M	Issue No.	1230 (cont)
LM End	4.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242024 °	37.242024 °
				-120.757602 °	-120.757602 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36610
 DS_ID:19862
 EP_NO: N/A
 FS_HLM: 4.931
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.94).
 FS Date: 04/18/2014

LM Start	4.86	Rating **	M	Issue No.	1230 (cont)
LM End	4.86	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5273.jpg



Close up of flap gate located on waterward side.

Photo 3 of 3 : UCIP_FA_2015_5274.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.26	Rating **	M	Issue No.	1231
LM End	5.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.239098 °	37.239098 °
				-120.751774 °	-120.751774 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39875 DS_ID:19863 EP_NO: N/A FS_HLM: 5.327 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	5.26	Rating **	M	Issue No.	1231 (cont)
LM End	5.26	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5444.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5445.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.26	Rating **	M	Issue No.	1231 (cont)
LM End	5.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.239098 °	37.239098 °
				-120.751774 °	-120.751774 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39875 DS_ID:19863 EP_NO: N/A FS_HLM: 5.327 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5446.jpg



View of waterward side.

LM Start	5.55	Rating **	M	Issue No.	1232
LM End	5.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.238610 °	37.238610 °
				-120.746591 °	-120.746591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36611 DS_ID:19864 EP_NO: N/A FS_HLM: 5.615 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.63). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5275.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.55	Rating **	M	Issue No.	1232 (cont)
LM End	5.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.238610 °	37.238610 °
				-120.746591 °	-120.746591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36611 DS_ID:19864 EP_NO: N/A FS_HLM: 5.615 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.63). FS Date: 04/18/2014					

LM Start	5.55	Rating **	M	Issue No.	1232 (cont)
LM End	5.55	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5276.jpg



View of waterward side--dense vegetation covers slope.

Photo 3 of 3 : UCIP_FA_2015_5277.jpg



Concrete headwall and flap gate visible on waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.76	Rating **	A/W	Issue No.	9
LM End	5.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.238355 °	37.238355 °
				-120.742677 °	-120.742677 °
DWR ID	DWR_NA0010_06_s _ 2012_9				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Levee damage caused by motorcylce traffic.					

LM Start	5.76	Rating **	A/W	Issue No.	9 (cont)
LM End	5.76	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2015_NA0010_124_9_20150914_00011.jpg



Looking northwest at damaged slope repaired on landward slope.

Photo 2 of 2 : FA_2015_NA0010_124_9_20150914_00012.jpg



Looking at slope damage caused by vehicle traffic on landward slope.

LM Start	5.93	Rating **	U	Issue No.	69
LM End	6.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.236936 °	37.235487 °
				-120.740384 °	-120.737685 °
DWR ID	DWR_NA0010_06_f _ 2015_69				
Action/Comments					
Pole					
Inspector Comments: Several PG& E poles within this section at the landward toe and slope.					

Photo 1 of 1 : FA_2015_NA0010_124_69_20151013_00034.jpg



Looking at power pole on landward slope.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.98	Rating **	M	Issue No.	1233
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.236414 °	37.236414 °
				-120.739735 °	-120.739735 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39470 DS_ID:19865 EP_NO: N/A FS_HLM: 6.051 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Sediment buildup in pipe visible on landward side--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.06). FS Date: 04/18/2014					

LM Start	5.98	Rating **	M	Issue No.	1233 (cont)
LM End	5.98	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5447.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5448.jpg



View of waterward slope--flap gate appears operable.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.98	Rating **	M	Issue No.	1233 (cont)
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.236414 °	37.236414
				-120.739735 °	-120.739735
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39470					
DS_ID:19865					
EP_NO: N/A					
FS_HLM: 6.051					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5449.jpg



View of waterward side.

LM Start	5.98	Rating **	U	Issue No.	70
LM End	5.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.236382 °	37.236382
				-120.739709 °	-120.739709
DWR ID	DWR_NA0010_06_f_2015_70				
Action/Comments					
Pipe					
Inspector Comments: Pipe from well at 15ft line with dyke around pipe to close to landward toe.					

Photo 1 of 5 : FA_2015_NA0010_124_70_20151013_00035.jpg



Looking south at dyke connected to drainage structure at landward toe.

LM Start	5.98	Rating **	U	Issue No.	70 (cont)
LM End	5.98	Issue Type +	En	Location *	LS

Photo 2 of 5 : FA_2015_NA0010_124_70_20151013_00036.jpg



Looking southwest at dyke connected to drainage structure at landward toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.98	Rating **	U	Issue No.	70 (cont)
LM End	5.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.236382 °	37.236382 °
				-120.739709 °	-120.739709 °
DWR ID	DWR_NA0010_06_f _ 2015_70				
Action/Comments					
Pipe					
Inspector Comments: Pipe from well at 15ft line with dyke around pipe to close to landward toe.					

LM Start	5.98	Rating **	U	Issue No.	70 (cont)
LM End	5.98	Issue Type +	En	Location *	LS

Photo 3 of 5 : FA_2015_NA0010_124_70_20151013_00037.jpg



Looking west at dyke connected to drainage structure at landward toe.

Photo 4 of 5 : FA_2015_NA0010_124_70_20151013_00038.jpg



Looking northwest at dyke connected to drainage structure at landward toe.

LM Start	5.98	Rating **	U	Issue No.	70 (cont)
LM End	5.98	Issue Type +	En	Location *	LS

Photo 5 of 5 : FA_2015_NA0010_124_70_20151013_00039.jpg



Looking north at dyke connected to drainage structure at landward toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	5.98	Rating **	U	Issue No.	65
LM End	5.98	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Erosion Areas			37.236372 °	37.236372 °
				-120.739706 °	-120.739706 °
DWR ID	DWR_NA0010_06_f_2014_65				
Action/Comments					
Inspector Comments: Erosion on right side of headwall at landward toe.					

Photo 1 of 2 : FA_2015_NA0010_124_65_20150914_00018.jpg



Looking northwest at erosion around headwall of drainage structure on landward toe.

LM Start	5.98	Rating **	U	Issue No.	65 (cont)
LM End	5.98	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_124_65_20150914_00019.jpg



Looking south erosion around headwall of drainage structure on landward toe.

LM Start	6.06	Rating **	M	Issue No.	22
LM End	6.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235777 °	37.235777 °
				-120.738598 °	-120.738598 °
DWR ID	DWR_NA0010_06_s_2012_22				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	7.10	Rating **	M	Issue No.	7
LM End	7.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.226675 °	37.226675
				-120.724498 °	-120.724498
DWR ID	DWR_NA0010_06_s _ 2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	7.21	Rating **	M	Issue No.	1234
LM End	7.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226102 °	37.226102 °
				-120.722739 °	-120.722739 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39471
 DS_ID:19868
 EP_NO: N/A
 FS_HLM: 7.279
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.6 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.29).
 FS Date: 04/18/2014

LM Start	7.21	Rating **	M	Issue No.	1234 (cont)
LM End	7.21	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5596.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5597.jpg



Concrete headwall and flap gate visible on waterward side. Dead animal inside pipe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	7.21	Rating **	M	Issue No.	1234 (cont)
LM End	7.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226102 °	37.226102 °
				-120.722739 °	-120.722739 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39471					
DS_ID:19868					
EP_NO: N/A					
FS_HLM: 7.279					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5598.jpg



View of waterward side.

LM Start	7.66	Rating **	M	Issue No.	1235
LM End	7.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222743 °	37.222743 °
				-120.716416 °	-120.716416 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39472					
DS_ID:19869					
EP_NO: N/A					
FS_HLM: 7.729					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup in pipe visible on landward side--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.74). Skewed crossing					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5278.jpg



Concrete headwall and flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	7.66	Rating **	M	Issue No.	1235 (cont)
LM End	7.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222743 °	37.222743 °
				-120.716416 °	-120.716416 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39472
 DS_ID:19869
 EP_NO: N/A
 FS_HLM: 7.729
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some sediment buildup in pipe visible on landward side--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.74). Skewed crossing
 FS Date: 04/18/2014

LM Start	7.66	Rating **	M	Issue No.	1235 (cont)
LM End	7.66	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5279.jpg



Pipe crosses levee at an angle.

Photo 3 of 3 : UCIP_FA_2015_5280.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	8.13	Rating **	M	Issue No.	1236
LM End	8.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.216547 °	37.216547 °
				-120.713000 °	-120.713000 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39473					
DS_ID:19870					
EP_NO: N/A					
FS_HLM: 8.201					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	8.13	Rating **	M	Issue No.	1236 (cont)
LM End	8.13	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5697.jpg



Concrete headwall and flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5698.jpg



Pipe crosses levee at an angle.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	8.13	Rating **	M	Issue No.	1236 (cont)
LM End	8.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.216547 °	37.216547 °
				-120.713000 °	-120.713000 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39473					
DS_ID:19870					
EP_NO: N/A					
FS_HLM: 8.201					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5699.jpg



View of waterward side.

LM Start	8.43	Rating **	M	Issue No.	1237
LM End	8.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.213288 °	37.213288 °
				-120.709503 °	-120.709503 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39474 DS_ID:19871 EP_NO: N/A FS_HLM: 8.505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.51). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5700.jpg



Pipe crosses levee at an angle.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	8.43	Rating **	M	Issue No.	1237 (cont)
LM End	8.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.213288 °	37.213288 °
				-120.709503 °	-120.709503 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39474 DS_ID:19871 EP_NO: N/A FS_HLM: 8.505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.51). FS Date: 04/18/2014					

Photo 2 of 3 : UCIP_FA_2015_5701.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_5702.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.52	Rating **	M	Issue No.	1238
LM End	9.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202481 °	37.202481 °
				-120.695303 °	-120.695303 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42525					
DS_ID:19872					
EP_NO: N/A					
FS_HLM: 9.59					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	9.52	Rating **	M	Issue No.	1238 (cont)
LM End	9.52	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_6719.jpg



Service box is for electrical conduit.

Photo 2 of 2 : UCIP_FA_2015_6720.jpg



Service box located on waterward levee shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.56	Rating **	M	Issue No.	1239
LM End	9.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202014 °	37.202014 °
				-120.694820 °	-120.694820 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42524					
DS_ID:19873					
EP_NO: N/A					
FS_HLM: 9.63					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	9.56	Rating **	M	Issue No.	1239 (cont)
LM End	9.56	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6690.jpg



Trash gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_6691.jpg



Concrete box located on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.56	Rating **	M	Issue No.	1239 (cont)
LM End	9.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202014 °	37.202014 °
				-120.694820 °	-120.694820 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42524					
DS_ID:19873					
EP_NO: N/A					
FS_HLM: 9.63					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6692.jpg



Overview of levee crown looking upstream.

LM Start	9.57	Rating **	M	Issue No.	1240
LM End	9.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39885 DS_ID:19741 EP_NO: N/A FS_HLM: 9.644 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Accidentally missed--need photos FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 4 of 4. Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing. FS Date: 04/21/2014					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.57	Rating **	M	Issue No.	1241
LM End	9.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39500 DS_ID:19558 EP_NO: N/A FS_HLM: 9.645 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Accidentally missed--need photos FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 5 of 6. Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing. FS Date: 04/21/2014					

No Photos

LM Start	9.57	Rating **	M	Issue No.	1242
LM End	9.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39497 DS_ID:19739 EP_NO: N/A FS_HLM: 9.642 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Accidentally missed--need photos. FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 2 of 4. Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing. FS Date: 04/21/2014					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.57	Rating **	M	Issue No.	1243
LM End	9.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39498					
DS_ID:19740					
EP_NO: N/A					
FS_HLM: 9.643					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Accidentally missed--need photos					
FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 3 of 6.					
Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing.					
FS Date: 04/21/2014					

No Photos

LM Start	9.59	Rating **	M	Issue No.	1244
LM End	9.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201544 °	37.201544 °
				-120.694865 °	-120.694865 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39492 DS_ID:19742 EP_NO: N/A FS_HLM: 9.641 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Accidentally missed--need photos FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 1 of 6. Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing. FS Date: 04/21/2014					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.66	Rating **	M	Issue No.	1245
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200948 °	37.200948 °
				-120.694362 °	-120.694362 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39475					
DS_ID:19874					
EP_NO: N/A					
FS_HLM: 9.735					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Waterward side not visible--need to determine alignment.					
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 14.0 feet below crown. Slide gate in concrete diversion box on the waterward shoulder.					
FS Date: 04/17/2014					

LM Start	9.66	Rating **	M	Issue No.	1245 (cont)
LM End	9.66	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_5703.jpg



Pipe, slide gate, and concrete headwall visible on landward side.

Photo 2 of 2 : UCIP_FA_2015_5704.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	9.74	Rating **	M	Issue No.	6
LM End	10.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.200697 °	37.188106 °
				-120.692927 °	-120.677684 °
DWR ID	DWR_NA0010_06_s _ 2012_6				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Levee crown should be regraded due to excessive rutting.					

No Photos

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				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Almond tree located along Sandy Mush Rd. on waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_124_14_20150914_00015.jpg



Looking west at tree on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	11.56	Rating **	M	Issue No.	1246
LM End	11.56	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.186227 °	37.186227 °	
			-120.667337 °	-120.667337 °	
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39892 DS_ID:19875 EP_NO: N/A FS_HLM: 11.636 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to stop--high traffic area--safety issue. Crossing needs to be evaluated FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.6 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.64). FS Date: 04/17/2014					

LM Start	11.74	Rating **	M	Issue No.	1247
LM End	11.74	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.185513 °	37.185513 °	
			-120.664561 °	-120.664561 °	
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39476 DS_ID:19876 EP_NO: N/A FS_HLM: 11.821 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear debris from waterward and landward toes. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 17.0 feet below crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.82). FS Date: 04/17/2014					

Photo 1 of 3 : UCIP_FA_2015_4778.jpg



Slide gate inside CMP riser located on waterward slope.

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	11.74	Rating **	M	Issue No.	1247 (cont)
LM End	11.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.185513 °	37.185513 °
				-120.664561 °	-120.664561 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39476
 DS_ID:19876
 EP_NO: N/A
 FS_HLM: 11.821
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Clear debris from waterward and landward toes.
 FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 17.0 feet below crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.82).
 FS Date: 04/17/2014

LM Start	11.74	Rating **	M	Issue No.	1247 (cont)
LM End	11.74	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4779.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_4780.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	13.22	Rating **	M	Issue No.	1248
LM End	13.22	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171675 °	37.171675 °
				-120.655064 °	-120.655064 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39477					
DS_ID:19877					
EP_NO: N/A					
FS_HLM: 13.31					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	13.22	Rating **	M	Issue No.	1248 (cont)
LM End	13.22	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4781.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2015_4782.jpg



View of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	13.22	Rating **	M	Issue No.	1248 (cont)
LM End	13.22	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171675 °	37.171675 °
				-120.655064 °	-120.655064 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39477					
DS_ID:19877					
EP_NO: N/A					
FS_HLM: 13.31					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4783.jpg



Inside view of CMP riser located on waterward slope.

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				
Action/Comments					
Material					
Inspector Comments: Landowner stockpile dirt at landward 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	14.36	Rating **	M	Issue No.	1249
LM End	14.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39478 DS_ID:19878 EP_NO: N/A FS_HLM: 14.45 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not accessible--crossing is buried on landward side. Need to contact owner to determine status. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 12.3 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.44). FS Date: 04/17/2014					

LM Start	14.36	Rating **	M	Issue No.	1249 (cont)
LM End	14.36	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4784.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2015_4785.jpg



View of pipe daylight, flap gate, and concrete headwall visible on waterward toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	14.36	Rating **	M	Issue No.	1249 (cont)
LM End	14.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39478					
DS_ID:19878					
EP_NO: N/A					
FS_HLM: 14.45					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4786.jpg



View of landward slope.

LM Start	14.94	Rating **	M	Issue No.	1212
LM End	14.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.162287 °	37.162287 °
				-120.628791 °	-120.628791 °
DWR ID	DWR_NA0010_06_s_2015_1212				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted on levee crown and landside and waterside slopes.					

Photo 1 of 1 : FA_2015_NA0010_124_1212_20150914_00030.jpg



Looking at rodent hole on levee crown.

LM Start	15.46	Rating **	M	Issue No.	124
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.158920 °	37.157217 °
				-120.620232 °	-120.618915 °
DWR ID	DWR_NA0010_06_s_2012_124				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	15.68	Rating **	M	Issue No.	1250
LM End	15.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.156934 °	37.156934 °
				-120.617210 °	-120.617210 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39480
 DS_ID:19884
 EP_NO: N/A
 FS_HLM: 15.766
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 14.0 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.76).
 FS Date: 04/17/2014

LM Start	15.68	Rating **	M	Issue No.	1250 (cont)
LM End	15.68	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4787.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2015_4808.jpg



View of waterward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	15.68	Rating **	M	Issue No.	1250 (cont)
LM End	15.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.156934 °	37.156934 °
				-120.617210 °	-120.617210 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39480					
DS_ID:19884					
EP_NO: N/A					
FS_HLM: 15.766					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4809.jpg



Flap gate buried halfway on waterward side.

LM Start	15.82	Rating **	M	Issue No.	1251
LM End	15.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.155539 °	37.155539 °
				-120.615303 °	-120.615303 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36663 DS_ID:19885 EP_NO: N/A FS_HLM: 15.913 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 16.6 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.91). FS Date: 04/17/2014					

Photo 1 of 3 : UCIP_FA_2015_4810.jpg



View of waterward side, photo 2 of 3.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	15.82	Rating **	M	Issue No.	1251 (cont)
LM End	15.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.155539 °	37.155539 °
				-120.615303 °	-120.615303 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36663 DS_ID:19885 EP_NO: N/A FS_HLM: 15.913 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 16.6 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.91). FS Date: 04/17/2014					

LM Start	15.82	Rating **	M	Issue No.	1251 (cont)
LM End	15.82	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4811.jpg



View of waterward side, photo 3 of 3.

Photo 3 of 3 : UCIP_FA_2015_4927.jpg



View of waterward side, Photo 1 of 3.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	16.40	Rating **	M	Issue No.	1252
LM End	16.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.149747 °	37.149747 °
				-120.607702 °	-120.607702 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36665					
DS_ID:19559					
EP_NO: N/A					
FS_HLM: 16.477					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	16.40	Rating **	M	Issue No.	1252 (cont)
LM End	16.40	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3136.jpg



View of landward side, photo 1 of 2.

Photo 2 of 3 : UCIP_FA_2015_3137.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	16.40	Rating **	M	Issue No.	1252 (cont)
LM End	16.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.149747 °	37.149747 °
				-120.607702 °	-120.607702 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36665 DS_ID:19559 EP_NO: N/A FS_HLM: 16.477 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4928.jpg



Concrete headwall and pipe visible on waterward side.

LM Start	16.89	Rating **	M	Issue No.	63
LM End	19.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.144129 °	37.113644 °
				-120.602479 °	-120.588271 °
DWR ID	DWR_NA0010_06_f_2014_63				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control tumble weeds on landward and waterward slopes.					

Photo 1 of 1 : FA_2015_NA0010_124_63_20150914_00016.jpg



Looking north at tumble weeds on levee slopes.

LM Start	16.89	Rating **	M	Issue No.	64
LM End	18.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.144128 °	37.119569 °
				-120.602479 °	-120.587353 °
DWR ID	DWR_NA0010_06_f_2014_64				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense tumble weeds on waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_124_64_20150914_00017.jpg



Looking northeast at dense tumble weeds 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	18.19	Rating **	M	Issue No.	1253
LM End	18.19	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.127773 °	37.127773 °	
			-120.590809 °	-120.590809 °	
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39876 DS_ID:19887 EP_NO: N/A FS_HLM: 18.29 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on landward side toe -- debris blockage. No photos available. Recommend taking photos of crossing. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.5 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.27). FS Date: 04/17/2014					

LM Start	18.81	Rating **	U	Issue No.	1254
LM End	18.81	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.119268 °	37.119268 °	
			-120.587208 °	-120.587208 °	
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:42941 DS_ID:19888 EP_NO: 3040 FS_HLM: 18.91 Repair Type: Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Leak on waterward toe approximately 15 feet from toe. Good candidate for video or pressure test. FIELD_STRUCT_DESC: 48-inch CM pipe through levee, 8.8 feet below crown. Slide gate in riser pipe on the landward side (not waterward slope). Concrete headwall on the landward side (not waterward side). Siphon under channel. 24-inch CM "clean out" pipe at center of channel, metal plate cover. (Permit No. 3040-1960) FS Date: 04/17/2014					

Photo 1 of 3 : UCIP_FA_2015_3724.jpg



View of waterward side. Channel section exposed near waterward toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	18.81	Rating **	U	Issue No.	1254 (cont)
LM End	18.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.119268 °	37.119268 °
				-120.587208 °	-120.587208 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42941
 DS_ID:19888
 EP_NO: 3040
 FS_HLM: 18.91
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Leak on waterward toe approximately 15 feet from toe. Good candidate for video or pressure test.
 FIELD_STRUCT_DESC: 48-inch CM pipe through levee, 8.8 feet below crown. Slide gate in riser pipe on the landward side (not waterward slope). Concrete headwall on the landward side (not waterward side). Siphon under channel. 24-inch CM "clean out" pipe at center of channel, metal plate cover. (Permit No. 3040-1960)
 FS Date: 04/17/2014

LM Start	18.81	Rating **	U	Issue No.	1254 (cont)
LM End	18.81	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3725.jpg



Channel sections have been excavated across Eastside Bypass.

Photo 3 of 3 : UCIP_FA_2015_3726.jpg



Overview of Eastside Bypass.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	18.89	Rating **	M	Issue No.	1255
LM End	18.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.118178 °	37.118178 °
				-120.586783 °	-120.586783 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36687					
DS_ID:19889					
EP_NO: N/A					
FS_HLM: 18.98					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4344.jpg



View of waterward side.

LM Start	18.89	Rating **	M	Issue No.	1255 (cont)
LM End	18.89	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4345.jpg



Pipe daylight 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	18.89	Rating **	M	Issue No.	1255 (cont)
LM End	18.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.118178 °	37.118178 °
				-120.586783 °	-120.586783 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36687					
DS_ID:19889					
EP_NO: N/A					
FS_HLM: 18.98					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4346.jpg



Inside view of CMP riser located on waterward slope.

LM Start	19.14	Rating **	U	Issue No.	1211
LM End	19.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114793 °	37.114793 °
				-120.587582 °	-120.587582 °
DWR ID	DWR_NA0010_06_s_2015_1211				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes with more than 2 cubic feet of material was noted on waterward slope					

Photo 1 of 4 : FA_2015_NA0010_124_1211_20151013_00040.jpg



Looking at several rodent holes on waterward slope. (Fall 2015)

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2015_NA0010_124_1211_20150914_00027.jpg

Looking at close-up view of large rodent hole on waterward slope.
(Spring 2015)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114793 °	37.114793 °
				-120.587582 °	-120.587582 °
DWR ID	DWR_NA0010_06_s_2015_1211				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes with more than 2 cubic feet of material was noted on waterward slope					

Photo 3 of 4 : FA_2015_NA0010_124_1211_20150914_00028.jpg



Looking at large rodent hole on waterward slope. Spring 2015

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2015_NA0010_124_1211_20150914_00029.jpg



Looking west at several rodent holes on waterward slope. Spring 2015

LM Start	19.24	Rating **	U	Issue No.	67
LM End	19.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.113397 °	37.113397 °
				-120.588441 °	-120.588441 °
DWR ID	DWR_NA0010_06_f_2015_67				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Large pot hole on levee crown.					

Photo 1 of 1 : FA_2015_NA0010_124_67_20151013_00041.jpg



Looking at large pot hole on levee crown.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	19.28	Rating **	M	Issue No.	1256
LM End	19.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112902 °	37.112902 °
				-120.588751 °	-120.588751 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36688
 DS_ID:19890
 EP_NO: N/A
 FS_HLM: 19.381
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 48-inch CM pipe through levee, 20.0 feet below crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.36). Rip rap along landward slope.
 FS Date: 04/17/2014

LM Start	19.28	Rating **	M	Issue No.	1256 (cont)
LM End	19.28	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4347.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_4348.jpg



Riser located on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	19.28	Rating **	M	Issue No.	1256 (cont)
LM End	19.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112902 °	37.112902 °
				-120.588751 °	-120.588751 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36688					
DS_ID:19890					
EP_NO: N/A					
FS_HLM: 19.381					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4349.jpg



View of landward slope.

LM Start	19.31	Rating **	M	Issue No.	66
LM End	19.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.112512 °	37.112512 °
				-120.589051 °	-120.589051 °
DWR ID	DWR_NA0010_06_f_2015_66				
Action/Comments					
Garbage					
Inspector Comments: Garbage (sofa) on waterward slope and berm.					

Photo 1 of 1 : FA_2015_NA0010_124_66_20151013_00042.jpg



Looking at garbage (sofa) on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	19.94	Rating **	M	Issue No.	1257
LM End	19.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113304 °	37.113304 °
				-120.579102 °	-120.579102 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36689
 DS_ID:19891
 EP_NO: N/A
 FS_HLM: 19.822
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 2.5x2.5-foot R.C.B.C. through the levee, 14.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.85).
 FS Date: 04/17/2014

LM Start	19.94	Rating **	M	Issue No.	1257 (cont)
LM End	19.94	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5068.jpg



View of "U" concrete headwall located on waterward side.

Photo 2 of 3 : UCIP_FA_2015_5069.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	19.94	Rating **	M	Issue No.	1257 (cont)
LM End	19.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113304 °	37.113304 °
				-120.579102 °	-120.579102 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36689					
DS_ID:19891					
EP_NO: N/A					
FS_HLM: 19.822					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5070.jpg



View of levee crown at crossing.

LM Start	20.79	Rating **	U	Issue No.	1209
LM End	20.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.113107 °	37.112176 °
				-120.563782 °	-120.562516 °
DWR ID	DWR_NA0010_06_s_2015_1209				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion on landward slope greater than 3 inches. Erosion caused by livestock.					

Photo 1 of 2 : FA_2015_NA0010_124_1209_20150914_00024.jpg



Looking north at livestock erosion on landward slope.

LM Start	20.79	Rating **	U	Issue No.	1209 (cont)
LM End	20.88	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_124_1209_20150914_00025.jpg



Looking northeast at livestock erosion on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	20.83	Rating **	M	Issue No.	1210
LM End	20.83	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.112782 °	37.112782 °
				-120.563170 °	-120.563170 °
DWR ID	DWR_NA0010_06_s _ 2015_1210				
Action/Comments					
Garbage					
Inspector Comments: Garbage (sofa) dump on waterward berm about 100 plus feet away from waterward toe.					

Photo 1 of 1 : FA_2015_NA0010_124_1210_20150914_00026.jpg



Looking east at garbage (soft) on waterward berm.

LM Start	22.99	Rating **	M	Issue No.	8
LM End	23.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.088663 °	37.087968 °
				-120.538193 °	-120.537485 °
DWR ID	DWR_NA0010_06_s _ 2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	24.02	Rating **	M	Issue No.	1258
LM End	24.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.077406 °	37.077406 °
				-120.525938 °	-120.525938 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:34010 DS_ID:19879 EP_NO: 13638 FS_HLM: 23.929 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. Crossing has been modified. FIELD_STRUCT_DESC: 16-inch steel pipe through levee, 3.5 feet below crown. Pump on the waterside. Siphon breaker on the landward shoulder. Cutoff wall around pipe at center of levee. Intake trench on waterward side. (Permit No. 13638-1984) FS Date: 04/17/2014					

LM Start	24.02	Rating **	M	Issue No.	1258 (cont)
LM End	24.02	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5671.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_5672.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	24.02	Rating **	M	Issue No.	1258 (cont)
LM End	24.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.077406 °	37.077406 °
				-120.525938 °	-120.525938 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34010					
DS_ID:19879					
EP_NO: 13638					
FS_HLM: 23.929					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5673.jpg



Concrete pad with abandoned support frame located on waterward side.

LM Start	24.58	Rating **	M	Issue No.	5
LM End	24.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.071198 °	°
				-120.519220 °	°
DWR ID	DWR_NA0010_06_s_2012_5				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Landside erosion caused by livestock.					

Photo 1 of 3 : FA_2015_NA0010_124_5_20150914_00008.jpg



Looking north at livestock erosion on landward slope. (Spring 2015)

LM Start	24.58	Rating **	M	Issue No.	5 (cont)
LM End	24.93	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2015_NA0010_124_5_20150914_00009.jpg



Looking north at livestock erosion on landward slope. (Spring 2014)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	24.58	Rating **	M	Issue No.	5 (cont)	
LM End	24.93	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.071198 °		°
				-120.519220 °		°
DWR ID	DWR_NA0010_06_s _ 2012_5					
Action/Comments						
Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comments: Landside erosion caused by livestock.						

Photo 3 of 3 : FA_2015_NA0010_124_5_20150914_00010.jpg



Looking north at livestock erosion on landside slope. (Fall 2014)

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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes next to and within rock revertment on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_124_1208_20150914_00023.jpg



Looking northeast at several rodent holes on landward slope.

LM Start	27.64	Rating **	M	Issue No.	3
LM End	27.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.036955 °	37.032887 °
				-120.484395 °	-120.481225 °
DWR ID	DWR_NA0010_06_s _ 2012_3				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Landside erosion caused by livestock. Erosion greater than 3" in depth on landward slope. Levee crown has narrowed within this reach.					

Photo 1 of 4 : FA_2015_NA0010_124_3_20151013_00043.jpg



Looking north at livestock erosion on landward slope. Fall 2015

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	27.64	Rating **	M	Issue No.	3 (cont)
LM End	27.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.036955 °	37.032887 °
				-120.484395 °	-120.481225 °
DWR ID	DWR_NA0010_06_s _ 2012_3				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Landside erosion caused by livestock. Erosion greater than 3" in depth on landward slope. Levee crown has narrowed within this reach.					

Photo 2 of 4 : FA_2015_NA0010_124_3_20150914_00003.jpg



Looking north at livestock erosion on landward shoulder and slope.(Spring 2015)

LM Start	27.64	Rating **	M	Issue No.	3 (cont)
LM End	27.97	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA_2015_NA0010_124_3_20150914_00004.jpg



Looking north at livestock erosion on landside shoulder and slope. (Fall 2014)

LM Start	27.64	Rating **	M	Issue No.	3 (cont)
LM End	27.97	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : FA_2015_NA0010_124_3_20150914_00006.jpg



Looking north at livestock erosion on landward slope. (Spring 2013)

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	28.47	Rating **	M	Issue No.	19
LM End	28.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.029937 °	37.030102 °
				-120.473384 °	-120.469122 °
DWR ID	DWR_NA0010_06_s _ 2015_19				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	29.44	Rating **	M	Issue No.	1259
LM End	29.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.030369 °	37.030369 °
				-120.455969 °	-120.455969 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39886 DS_ID:19881 EP_NO: N/A FS_HLM: 29.35 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 12.4 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete "U" headwall on both ends. Cobble pad on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 29.34). FS Date: 04/10/2014					

Photo 1 of 3 : UCIP_FA_2015_5071.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	29.44	Rating **	M	Issue No.	1259 (cont)
LM End	29.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.030369 °	37.030369 °
				-120.455969 °	-120.455969 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39886 DS_ID:19881 EP_NO: N/A FS_HLM: 29.35 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 12.4 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete "U" headwall on both ends. Cobble pad on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 29.34). FS Date: 04/10/2014					

LM Start	29.44	Rating **	M	Issue No.	1259 (cont)
LM End	29.44	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5072.jpg



View of waterward side--slide gate inside CMP riser located on waterward slope.

Photo 3 of 3 : UCIP_FA_2015_5073.jpg



Inside view of CMP riser located on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	30.36	Rating **	M	Issue No.	1260
LM End	30.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.027330 °	37.027330 °
				-120.441498 °	-120.441498 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36693					
DS_ID:19882					
EP_NO: N/A					
FS_HLM: 30.27					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	30.36	Rating **	M	Issue No.	1260 (cont)
LM End	30.36	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5074.jpg



Overview of Eastside Bypass at crossing.

Photo 2 of 3 : UCIP_FA_2015_5075.jpg



Overview of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	30.36	Rating **	M	Issue No.	1260 (cont)
LM End	30.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.027330 °	37.027330 °
				-120.441498 °	-120.441498 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36693 DS_ID:19882 EP_NO: N/A FS_HLM: 30.27 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5076.jpg



Concrete pipe through Eastside Bypass exposed.

LM Start	30.81	Rating **	U	Issue No.	1207
LM End	31.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.021615 °	37.018428 °
				-120.437587 °	-120.435378 °
DWR ID	DWR_NA0010_06_s_2015_1207				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Landward erosion greater than 1" in depth and greater than 3" in length. Erosion caused by livestock traffic.					

Photo 1 of 2 : FA_2015_NA0010_124_1207_20150914_00021.jpg



Looking northeast at livestock erosion on landward slope.

LM Start	30.81	Rating **	U	Issue No.	1207 (cont)
LM End	31.06	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_124_1207_20150914_00022.jpg



Looking south at livestock erosion on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	31.10	Rating **	U	Issue No.	2
LM End	31.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017955 °	37.017955 °
				-120.435017 °	-120.435017 °
DWR ID	DWR_NA0010_06_s_2012_2				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

LM Start	31.10	Rating **	U	Issue No.	2 (cont)
LM End	31.10	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2015_NA0010_124_2_20150914_00001.jpg



Looking west at rodent holes on landside slope and toe near fence line.

Photo 2 of 2 : FA_2015_NA0010_124_2_20150914_00002.jpg



Looking at typical rodent hole on landside slope.

LM Start	33.08	Rating **	M	Issue No.	1261
LM End	33.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995672 °	36.995672 °
				-120.412919 °	-120.412919 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46183					
DS_ID:19883					
EP_NO: 6416A					
FS_HLM: 32.99					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4046.jpg



Electrical conduit visible on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	33.08	Rating **	M	Issue No.	1261 (cont)
LM End	33.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995672 °	36.995672 °
				-120.412919 °	-120.412919 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46183
 DS_ID:19883
 EP_NO: 6416A
 FS_HLM: 32.99
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Crossing updated--need to contact owner to determine permit issued by CVFPB for authorized changes.
 FIELD_STRUCT_DESC: 20-inch (not 18 inch as mentioned in DS study) steel pipe through the levee, 3.9 feet below crown. Electrical conduit through levee. Capped with welded plate on landward end. Siphon breaker on apex of pipe on the landward shoulder. Cutoff wall around pipe at centerline of levee. Slant pump on waterward slope.
 (Permit No. 6416A-1980)
 FS Date: 04/10/2014

LM Start	33.08	Rating **	M	Issue No.	1261 (cont)
LM End	33.08	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4047.jpg



View of Eastside Bypass.

Photo 3 of 3 : UCIP_FA_2015_5705.jpg



View of waterward side--pipe and pump fenced off on waterward slope.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	33.08	Rating **	M	Issue No.	123
LM End	33.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995667 °	36.995667 °
				-120.412910 °	-120.412910 °
DWR ID	DWR_NA0010_06_s _ 2012_123				
Action/Comments					
Fence					
Inspector Comments: Landowner constructed a metal fence around slant pump without a permit.					

Photo 1 of 1 : FA_2015_NA0010_124_123_20150914_00020.jpg



Looking northeast at new metal fence around slant pump on waterside slope.

LM Start	35.36	Rating **	A/W	Issue No.	1
LM End	36.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974650 °	36.974430 °
				-120.383022 °	-120.367090 °
DWR ID	DWR_NA0010_06_s _ 2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	35.42	Rating **	M	Issue No.	1262
LM End	35.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.974509 °	36.974509 °
				-120.382056 °	-120.382056 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39481 DS_ID:19813 EP_NO: N/A FS_HLM: 35.33 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. High vegetation along crossing alignment--recommend removing vegetation along pipe crossing. FIELD_STRUCT_DESC: 48x72-inch through the levee, 15.1 feet below the crown. Slide gate in concrete riser in the waterward slope. Concrete "U" headwall on both ends. Landside channel cobble revetted for 8.0 feet. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 35.33). FS Date: 04/10/2014					

LM Start	35.42	Rating **	M	Issue No.	1262 (cont)
LM End	35.42	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5115.jpg



View of waterward side--slide gate inside concrete box.

Photo 2 of 3 : UCIP_FA_2015_5742.jpg



Inside view of concrete box located on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	10/07/2015 10/08/2015	Richard Willoughby

LM Start	35.42	Rating **	M	Issue No.	1262 (cont)
LM End	35.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.974509 °	36.974509 °
				-120.382056 °	-120.382056 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39481 DS_ID:19813 EP_NO: N/A FS_HLM: 35.33 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5743.jpg



View of waterward slope covered by dense vegetation.

* 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 07 Bear Creek Bypass			Right	3.62
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.07	Rating **	U	Issue No.	188
LM End	0.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:41131
 DS_ID:19892
 EP_NO: N/A
 FS_HLM: 0.072
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Flapgate partially blocked by soil buildup at WS toe.
 FIELD_STRUCT_DESC: 24-inch C.M stormdrain pipe through the levee, 10.8 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.07).
 FS Date: 04/15/2014

LM Start	0.07	Rating **	U	Issue No.	188 (cont)
LM End	0.07	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4442.jpg



Pipe and headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2015_4443.jpg



Pipe and headwall at WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.07	Rating **	U	Issue No.	188 (cont)
LM End	0.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41131					
DS_ID:19892					
EP_NO: N/A					
FS_HLM: 0.072					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4444.jpg



Pipe, headwall, and flapgate at WS toe. Soil buildup partially blocking flapgate.

LM Start	0.49	Rating **	M	Issue No.	189
LM End	0.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258543 °	37.258543 °
				-120.764728 °	-120.764728 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33713 DS_ID:19894 EP_NO: N/A FS_HLM: 0.489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. FIELD_STRUCT_DESC: 36-inch C.M stormdrain pipe through the levee, 9.7 feet below the crown. Slide gate in 48-inch C.M. pipe riser in the landward slope. Concrete "U" headwall on the landward end, inlet channel cobble revetted. Dilapidated wooden pier on WS. Waterward slope and outlet ditch cobble revetted. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.49). FS Date: 04/15/2014					

Photo 1 of 3 : UCIP_FA_2015_4560.jpg



Slide gate in CMP riser on WS slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.49	Rating **	M	Issue No.	189 (cont)
LM End	0.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258543 °	37.258543 °
				-120.764728 °	-120.764728 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33713 DS_ID:19894 EP_NO: N/A FS_HLM: 0.489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. FIELD_STRUCT_DESC: 36-inch C.M stormdrain pipe through the levee, 9.7 feet below the crown. Slide gate in 48-inch C.M. pipe riser in the landward slope. Concrete "U" headwall on the landward end, inlet channel cobble revetted. Dilapidated wooden pier on WS. Waterward slope and outlet ditch cobble revetted. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.49). FS Date: 04/15/2014					

Photo 2 of 3 : UCIP_FA_2015_4561.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4562.jpg



Outlet on WS slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.50	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			37.258722 °	37.258722 °
				-120.764867 °	-120.764867 °
DWR ID	DWR_NA0010_07_s _ 2012_29				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted on landward and waterward slope and shoulder.					

Photo 1 of 1 : FA_2015_NA0010_125_29_20150914_00011.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	0.85	Rating **	M	Issue No.	190
LM End	0.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262981 °	37.262981 °
				-120.761703 °	-120.761703 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39507					
DS_ID:19896					
EP_NO: N/A					
FS_HLM: 0.849					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.8-feet below the crown. Flap gate on the waterward end. Wooden weir on concrete headwall at the LS toe. 36-inch concrete riser at LS toe. Concrete "U" headwall on the waterward end. Concrete standpipe on landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.85). FS Date: 04/15/2014					

Photo 1 of 3 : UCIP_FA_2015_4577.jpg



Headwall and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.85	Rating **	M	Issue No.	190 (cont)
LM End	0.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262981 °	37.262981 °
				-120.761703 °	-120.761703 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39507
 DS_ID:19896
 EP_NO: N/A
 FS_HLM: 0.849
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.8-feet below the crown. Flap gate on the waterward end.
 Wooden weir on concrete headwall at the LS toe. 36-inch concrete riser at LS toe. Concrete "U" headwall on the waterward end. Concrete standpipe on landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.85).
 FS Date: 04/15/2014

LM Start	0.85	Rating **	M	Issue No.	190 (cont)
LM End	0.85	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4578.jpg



Concrete riser, concrete headwall, weir, and pipe at LS toe.

Photo 3 of 3 : UCIP_FA_2015_4579.jpg



Headwall and flapgate on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.85	Rating **	M	Issue No.	10
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.262991 °	37.262991 °
				-120.761711 °	-120.761711 °
DWR ID	DWR_NA0010_07_f _ 2015_10				
Action/Comments					
Inspector Comments: Flap gate is open and should be closed during flood season.					

Photo 1 of 1 : FA_2015_NA0010_125_10_20151014_00013.jpg



Looking at flap gate left open on waterward slope.

LM Start	1.22	Rating **	M	Issue No.	1
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.264387 °	37.264387 °
				-120.755805 °	-120.755805 °
DWR ID	DWR_NA0010_07_f_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_NA0010_125_1_20150914_00001.jpg



Looking north at several rodent holes on landward slope.

LM Start	1.22	Rating **	M	Issue No.	1 (cont)
LM End	1.22	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_125_1_20150914_00002.jpg



Looking at east at active rodent holes on landside berm.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.25	Rating **	A/W	Issue No.	11
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.264367 °	37.264367 °
				-120.755218 °	-120.755218 °
DWR ID	DWR_NA0010_07_f_2014_11				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Slope damage caused by livestock and rodent activity.					

Photo 1 of 1 : FA_2015_NA0010_125_11_20150914_00009.jpg



Looking west at slope damage and rodent activity on landward slope.

LM Start	1.50	Rating **	A/W	Issue No.	3
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263930 °	37.263930 °
				-120.750680 °	-120.750680 °
DWR ID	DWR_NA0010_07_s_2012_3				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Erosion on landward slope has been repaired by district. Landward toe erosion not repaired.					

Photo 1 of 5 : FA_2015_NA0010_125_3_20150914_00003.jpg



Looking east at repaired landward slope.

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)
LM End	1.50	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : FA_2015_NA0010_125_3_20150914_00004.jpg



Looking northeast at landside slope damaged by livestock.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)	
LM End	1.50	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.263930 °		37.263930 °
				-120.750680 °		-120.750680 °
DWR ID	DWR_NA0010_07_s_2012_3					
Action/Comments						
Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comments: Erosion on landward slope has been repaired by district. Landward toe erosion not repaired.						

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)
LM End	1.50	Issue Type +	Ma	Location *	LS

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)
LM End	1.50	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : FA_2015_NA0010_125_3_20150914_00005.jpg



Looking south at landward slope.

Photo 4 of 5 : FA_2015_NA0010_125_3_20150914_00006.jpg



Looking southeast at damage on landward toe.(Spring 2013)

Photo 5 of 5 : FA_2015_NA0010_125_3_20150914_00007.jpg



Looking southeast at landside slope and toe damage by livestock.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.51	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			37.263885 °	37.263885 °
				-120.750527 °	-120.750527 °
DWR ID	DWR_NA0010_07_s _ 2014_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.71	Rating **	M	Issue No.	5
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.262570 °	37.262467 °
				-120.747453 °	-120.747180 °
DWR ID	DWR_NA0010_07_s _ 2013_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.94	Rating **	M	Issue No.	187
LM End	1.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261032 °	37.261032 °
				-120.743705 °	-120.743705 °
DWR ID	DWR_NA0010_07_s _ 2015_187				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes noted on levee crown.					

Photo 1 of 1 : FA_2015_NA0010_125_187_20150914_00012.jpg



Looking at several rodent holes on levee 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

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_2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Rodent activity noted next to fence post.					

Photo 1 of 1 : FA_2015_NA0010_125_12_20150914_00010.jpg



Looking east at rodent hole next to fence post on landward shoulder.

LM Start	2.63	Rating **	C	Issue No.	8
LM End	2.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.254896 °	37.254896 °
				-120.734926 °	-120.734926 °
DWR ID	DWR_NA0010_07_f_2015_8				
Action/Comments					
Pipe Inspector Comments: Same landowner at LM 2.48 is connecting eighteen inch to drain pipe to montior water draining into channel. Landowner has corrected site according to Board standards.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.09	Rating **	M	Issue No.	191
LM End	3.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251883 °	37.251883 °
				-120.728264 °	-120.728264 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39508
 DS_ID:19901
 EP_NO: N/A
 FS_HLM: 3.09
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some sediment buildup at landward toe and inside pipe--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.09).
 FS Date: 04/15/2014

LM Start	3.09	Rating **	M	Issue No.	191 (cont)
LM End	3.09	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4580.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4581.jpg



Headwall, pipe, and flapgate on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.09	Rating **	M	Issue No.	191 (cont)
LM End	3.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251883 °	37.251883 °
				-120.728264 °	-120.728264 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39508 DS_ID:19901 EP_NO: N/A FS_HLM: 3.09 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4582.jpg



Headwall and 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 08 Bear Creek Bypass			Left	3.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.01	Rating **	C	Issue No.	28
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.253178 °	37.256802 °
				-120.768513 °	-120.740452 °
DWR ID	DWR_NA0010_08_s _ 2012_28				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	0.90	Rating **	M	Issue No.	29
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262384 °	37.262384
				-120.760528 °	-120.760528
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39887					
DS_ID:19832					
EP_NO: N/A					
FS_HLM: 0.899					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3861.jpg



Headwall, pipe, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	29 (cont)
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262384 °	37.262384 °
				-120.760528 °	-120.760528 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39887 DS_ID:19832 EP_NO: N/A FS_HLM: 0.899 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at inlet on LS toe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.5 feet below crown. Flap gate on the waterward end. Concrete headwalls. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.89). FS Date: 04/16/2014					

LM Start	0.90	Rating **	M	Issue No.	29 (cont)
LM End	0.90	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3862.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_3863.jpg



Pipe and headwall on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263182 °	37.263183 °
				-120.755650 °	-120.755637 °
DWR ID	DWR_NA0010_08_s_2012_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.21	Rating **	M	Issue No.	30
LM End	1.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263188 °	37.263188 °
				-120.755399 °	-120.755399 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39509 DS_ID:19833 EP_NO: N/A FS_HLM: 1.209 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris blocking landward headwall--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.6 feet below crown. Flap gate on the waterward end. Concrete headwalls. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.21). FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_3864.jpg



Pipe and headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.21	Rating **	M	Issue No.	30 (cont)
LM End	1.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263188 °	37.263188 °
				-120.755399 °	-120.755399 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39509
 DS_ID:19833
 EP_NO: N/A
 FS_HLM: 1.209
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Debris blocking landward headwall--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.6 feet below crown. Flap gate on the waterward end. Concrete headwalls. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.21).
 FS Date: 04/16/2014

LM Start	1.21	Rating **	M	Issue No.	30 (cont)
LM End	1.21	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3865.jpg



Concrete headwall, pipe, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_3866.jpg



Concrete headwall, pipe, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.38	Rating **	M	Issue No.	8
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263175 °	37.263175 °
				-120.752307 °	-120.752307 °
DWR ID	DWR_NA0010_08_s_2013_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0010_126_8_20150914_00006.jpg



Looking west at rodent holes on landward slope.

LM Start	1.38	Rating **	M	Issue No.	31
LM End	1.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263194 °	37.263194 °
				-120.752299 °	-120.752299 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39510 DS_ID:19834 EP_NO: N/A FS_HLM: 1.38 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.5 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.38). FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_3867.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.38	Rating **	M	Issue No.	31 (cont)
LM End	1.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263194 °	37.263194 °
				-120.752299 °	-120.752299 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39510 DS_ID:19834 EP_NO: N/A FS_HLM: 1.38 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.5 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.38). FS Date: 04/16/2014					

LM Start	1.38	Rating **	M	Issue No.	31 (cont)
LM End	1.38	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3963.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_3964.jpg



Animal burrows along alignment on LS slope.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.61	Rating **	M	Issue No.	1
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261842 °	37.261842 °
				-120.748510 °	-120.748510 °
DWR ID	DWR_NA0010_08_s_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	32
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258220 °	37.258220 °
				-120.742868 °	-120.742868 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39511 DS_ID:19835 EP_NO: N/A FS_HLM: 2.045 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 12.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05). FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_3965.jpg



Pipe and headwall buried in sediment at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	32 (cont)
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258220 °	37.258220 °
				-120.742868 °	-120.742868 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39511
 DS_ID:19835
 EP_NO: N/A
 FS_HLM: 2.045
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Non-functional landward inlet is buried in sediment.
 Need to contact owner to determine status.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee,
 12.0 feet below crown. Flap gate on the waterward end. Concrete
 headwall on both ends. (USACE-1967). This entry matches the
 Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05).
 FS Date: 04/16/2014

LM Start	2.05	Rating **	M	Issue No.	32 (cont)
LM End	2.05	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3966.jpg



Pipe, headwall, and flapgate on Ws toe.

Photo 3 of 3 : UCIP_FA_2015_3967.jpg



Pipe and headwall buried in sediment at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	2.07	Rating **	M	Issue No.	7
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258063 °	37.257688 °
				-120.742460 °	-120.741573 °
DWR ID	DWR_NA0010_08_s_2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: No rodent activity and no rodent holes noted.					

Photo 1 of 1 : FA_2015_NA0010_126_7_20150914_00005.jpg



Looking at typical rodent hole on landside slope near headwall.

LM Start	2.12	Rating **	M	Issue No.	33
LM End	2.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.257800 °	37.257800 °
				-120.741604 °	-120.741604 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39512					
DS_ID:19836					
EP_NO: N/A					
FS_HLM: 2.121					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 9.5-feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.12).					
FS Date: 04/16/2014					

Photo 1 of 3 : UCIP_FA_2015_3968.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	2.12	Rating **	M	Issue No.	33 (cont)
LM End	2.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.257800 °	37.257800 °
				-120.741604 °	-120.741604 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39512
 DS_ID:19836
 EP_NO: N/A
 FS_HLM: 2.121
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Sediment buildup in pipe visible from landward side.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 9.5-feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.12).
 FS Date: 04/16/2014

LM Start	2.12	Rating **	M	Issue No.	33 (cont)
LM End	2.12	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3969.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3970.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.06	Rating **	U	Issue No.	34
LM End	3.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250864 °	37.250864 °
				-120.728151 °	-120.728151 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42853 DS_ID:19838 EP_NO: N/A FS_HLM: 3.06 Repair Type: Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3971.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_3996.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.06	Rating **	U	Issue No.	34 (cont)
LM End	3.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250864 °	37.250864 °
				-120.728151 °	-120.728151 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42853 DS_ID:19838 EP_NO: N/A FS_HLM: 3.06 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3997.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	3.40	Rating **	M	Issue No.	3
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.253052 °	37.253600 °
				-120.722647 °	-120.720198 °
DWR ID	DWR_NA0010_08_s_2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes on landward slope within this reach.					

Photo 1 of 1 : FA_2015_NA0010_126_3_20150914_00001.jpg



Looking at typical view of rodent holes on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.43	Rating **	M	Issue No.	35
LM End	3.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253151 °	37.253151 °
				-120.722182 °	-120.722182 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39513
 DS_ID:19840
 EP_NO: N/A
 FS_HLM: 3.43
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No access available on landward side. Need to confirm status of crossing.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 13.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.43).
 FS Date: 04/16/2014

LM Start	3.43	Rating **	M	Issue No.	35 (cont)
LM End	3.43	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4000.jpg



Pipe likely at drainage swale off LS toe.

Photo 2 of 3 : UCIP_FA_2015_4001.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.43	Rating **	M	Issue No.	35 (cont)
LM End	3.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253151 °	37.253151 °
				-120.722182 °	-120.722182 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39513 DS_ID:19840 EP_NO: N/A FS_HLM: 3.43 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4002.jpg



Pipe, headwall, and flapgate on WS toe.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 09 Owens Creek Bypass			Right	0.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.220062
					° -120.698278
DWR ID	DWR_NA0010_09_f_2015_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_127_4_20151014_00002.jpg



Looking at typical view of waterward slope.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.220062
					° -120.698277
DWR ID	DWR_NA0010_09_f_2015_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_127_3_20151014_00001.jpg



Looking at typical view of landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.47	Rating **	M	Issue No.	5
LM End	0.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220416 °	37.220416 °
				-120.705248 °	-120.705248 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39888
 DS_ID:19841
 EP_NO: N/A
 FS_HLM: 0.473
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Concrete headwalls on landward and waterward under water. Need photo to confirm condition of concrete headwalls, pipe, and gate on both toes.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 18.7-feet below the crown. Slide gate inside 36-inch C.M. pipe riser on the waterward slope. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.47).
 FS Date: 04/22/2014

LM Start	0.47	Rating **	M	Issue No.	5 (cont)
LM End	0.47	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3616.jpg



Concrete headwall visible under water on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3617.jpg



Concrete headwall visible at inlet on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.47	Rating **	M	Issue No.	5 (cont)	
LM End	0.47	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.220416 °	37.220416 °	
				-120.705248 °	-120.705248 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39888						
DS_ID:19841						
EP_NO: N/A						
FS_HLM: 0.473						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_3618.jpg



Slide gate in CMP riser on WS slope with outlet visible in background.

LM Start	0.69	Rating **	M	Issue No.	6
LM End	0.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219874 °	37.219874 °
				-120.701438 °	-120.701438 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39515					
DS_ID:19842					
EP_NO: N/A					
FS_HLM: 0.697					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 8.7-feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.70).					
FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_3793.jpg



Headwall, flapgate, and pipe on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.69	Rating **	M	Issue No.	6 (cont)
LM End	0.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219874 °	37.219874 °
				-120.701438 °	-120.701438 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39515
 DS_ID:19842
 EP_NO: N/A
 FS_HLM: 0.697
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing.
 FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 8.7-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.70).
 FS Date: 04/22/2014

LM Start	0.69	Rating **	M	Issue No.	6 (cont)
LM End	0.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3794.jpg



Headwall and pipe on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3795.jpg



Headwall, flapgate, and pipe 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 10 Owens Creek Bypass			Left	0.80
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_NA0010_10_f_2015_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4		
LM End	0.79	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation				o		o
					o		o
DWR ID	DWR_NA0010_10_f_2015_4						
Action/Comments							
Remove the wild growth other than native grasses from the levee slopes.							

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.30	Rating **	M	Issue No.	5
LM End	0.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219116 °	37.219116 °
				-120.706652 °	-120.706652 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39516 DS_ID:19845 EP_NO: N/A FS_HLM: 0.305 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through levee, 19.6-feet below crown. Slide gate in 48-inch CM pipe riser on the waterward slope. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.31). FS Date: 04/22/2014					

Photo 1 of 3 : UCIP_FA_2015_5466.jpg



Headwall and pipe visible on LS toe. Slide gate inside 48-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2015_5467.jpg



Headwall and pipe on LS toe. Pipe blocked by wooden cover.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.30	Rating **	M	Issue No.	5 (cont)	
LM End	0.30	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.219116 °	37.219116 °	
				-120.706652 °	-120.706652 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39516						
DS_ID:19845						
EP_NO: N/A						
FS_HLM: 0.305						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_5468.jpg



Headwall and pipe on WS toe.

LM Start	0.79	Rating **	U	Issue No.	2
LM End	0.79	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.219336 °	37.219336 °
				-120.698085 °	-120.698085 °
DWR ID	DWR_NA0010_10_f_2015_2				
Action/Comments					
Fence					
Inspector Comments: Repair gate no hingers.					

Photo 1 of 1 : FA_2015_NA0010_128_2_20151014_00001.jpg



Looking at gate at LM 0.79

* 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

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 11 Mariposa Bypass			Right	3.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/21/2015 - 05/21/2015		10/08/2015 - 10/08/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	9
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202752 °	37.202314 °
				-120.755180 °	-120.695292 °
DWR ID	DWR_NA0010_11_f _ 2015_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_129_9_20151014_00001.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202751 °	37.202314 °
				-120.755179 °	-120.695291 °
DWR ID	DWR_NA0010_11_f_2015_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_129_10_20151014_00002.jpg



Looking at typical view of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.42	Rating **	M	Issue No.	11
LM End	0.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202754 °	37.202754 °
				-120.747689 °	-120.747689 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39517 DS_ID:19846 EP_NO: N/A FS_HLM: 0.42 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 11.0 feet below the crown. Slide gate inside CMP riser located on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.42). FS Date: 04/18/2014					

LM Start	0.42	Rating **	M	Issue No.	11 (cont)
LM End	0.42	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5744.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5745.jpg



View of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.42	Rating **	M	Issue No.	11 (cont)
LM End	0.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202754 °	37.202754 °
				-120.747689 °	-120.747689 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39517 DS_ID:19846 EP_NO: N/A FS_HLM: 0.42 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5746.jpg



View of slide gate inside CMP riser located on waterward slope.

LM Start	0.65	Rating **	M	Issue No.	12
LM End	0.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202751 °	37.202751 °
				-120.743474 °	-120.743474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39518 DS_ID:19847 EP_NO: N/A FS_HLM: 0.65 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.65). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_3648.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	12 (cont)
LM End	0.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202751 °	37.202751 °
				-120.743474 °	-120.743474 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39518 DS_ID:19847 EP_NO: N/A FS_HLM: 0.65 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.65). FS Date: 04/18/2014					

LM Start	0.65	Rating **	M	Issue No.	12 (cont)
LM End	0.65	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3649.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_3650.jpg



Flap gate and concrete apron located on waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	13
LM End	0.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202745 °	37.202745 °
				-120.739935 °	-120.739935 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39519 DS_ID:19848 EP_NO: N/A FS_HLM: 0.84 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3651.jpg



View of landward side.

LM Start	0.84	Rating **	M	Issue No.	13 (cont)
LM End	0.84	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3652.jpg



Concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	13 (cont)
LM End	0.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202745 °	37.202745 °
				-120.739935 °	-120.739935 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39519 DS_ID:19848 EP_NO: N/A FS_HLM: 0.84 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3653.jpg



Overview of waterward side.

LM Start	1.13	Rating **	M	Issue No.	14
LM End	1.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202748 °	37.202748 °
				-120.734796 °	-120.734796 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39520					
DS_ID:19849					
EP_NO: N/A					
FS_HLM: 1.13					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.13).					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_3685.jpg



Concrete headwall located on landward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	14 (cont)
LM End	1.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202748 °	37.202748 °
				-120.734796 °	-120.734796 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39520
 DS_ID:19849
 EP_NO: N/A
 FS_HLM: 1.13
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.13).
 FS Date: 04/18/2014

LM Start	1.13	Rating **	M	Issue No.	14 (cont)
LM End	1.13	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3686.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_3687.jpg



View of waterward side--flap gate visible at levee toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.49	Rating **	M	Issue No.	15
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202753 °	37.202753 °
				-120.728133 °	-120.728133 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39521					
DS_ID:19850					
EP_NO: N/A					
FS_HLM: 1.49					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.49	Rating **	M	Issue No.	15 (cont)
LM End	1.49	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_3688.jpg



Inside view of pipe from waterward side--sediment build up.

Photo 2 of 3 : UCIP_FA_2015_3689.jpg



View of concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.49	Rating **	M	Issue No.	15 (cont)
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202753 °	37.202753 °
				-120.728133 °	-120.728133 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39521 DS_ID:19850 EP_NO: N/A FS_HLM: 1.49 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3690.jpg



View of waterward side.

LM Start	1.77	Rating **	M	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202743 °	37.202743 °
				-120.723187 °	-120.723187 °
DWR ID	DWR_NA0010_11_s_2012_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.98	Rating **	M	Issue No.	16
LM End	1.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202740 °	37.202740 °
				-120.719247 °	-120.719247 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39522 DS_ID:19851 EP_NO: N/A FS_HLM: 1.98 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 12.8 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.99). FS Date: 04/18/2014					

LM Start	1.98	Rating **	M	Issue No.	16 (cont)
LM End	1.98	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5581.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5582.jpg



View of waterward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	1.98	Rating **	M	Issue No.	16 (cont)
LM End	1.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202740 °	37.202740 °
				-120.719247 °	-120.719247 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39522 DS_ID:19851 EP_NO: N/A FS_HLM: 1.98 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5583.jpg



Flap gate located on waterward side.

LM Start	3.04	Rating **	M	Issue No.	17
LM End	3.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202494 °	37.202494 °
				-120.700153 °	-120.700153 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39523 DS_ID:19852 EP_NO: N/A FS_HLM: 3.04 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.04). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5480.jpg



Overview of waterward side--flap gate, concrete headwall and apron visible on levee toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	10/08/2015 10/08/2015	Richard Willoughby

LM Start	3.04	Rating **	M	Issue No.	17 (cont)
LM End	3.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202494 °	37.202494 °
				-120.700153 °	-120.700153 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39523
 DS_ID:19852
 EP_NO: N/A
 FS_HLM: 3.04
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.
 FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.04).
 FS Date: 04/18/2014

LM Start	3.04	Rating **	M	Issue No.	17 (cont)
LM End	3.04	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5481.jpg



Concrete headwall located on landward side--debris in front of headwall.

Photo 3 of 3 : UCIP_FA_2015_5584.jpg



View of landward side.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 12 Mariposa Bypass			Left	3.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/22/2015 - 05/22/2015		10/09/2015 - 10/09/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start		Rating **	M	Issue No.	12
LM End		Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200931 °	37.200931 °
				-120.700908 °	-120.700908 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46786
 DS_ID:19861
 EP_NO: N/A
 FS_HLM: 2.99
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 11-09-2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. 10-18-2014 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 2 feet below levee crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.00).
 FS Date: 11/10/2015

Photo 1 of 3 : UCIP_FA_2015_5594.jpg



Side view of concrete headwall which appears to be slightly slanted forward--missing soil behind headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start		Rating **	M	Issue No.	12 (cont)
LM End		Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200931 °	37.200931 °
				-120.700908 °	-120.700908 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:46786 DS_ID:19861 EP_NO: N/A FS_HLM: 2.99 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11-09-2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. 10-18-2014 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 2 feet below levee crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.00). FS Date: 11/10/2015					

Photo 2 of 3 : UCIP_FA_2015_5595.jpg



View of waterward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start		Rating **	M	Issue No.	12 (cont)
LM End		Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200931 °	37.200931 °
				-120.700908 °	-120.700908 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46786
 DS_ID:19861
 EP_NO: N/A
 FS_HLM: 2.99
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 11-09-2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. 10-18-2014 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 2 feet below levee crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.00).
 FS Date: 11/10/2015

Photo 3 of 3 : UCIP_FA_2015_5896.jpg



Repair to headwall located on waterward side has been addressed.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200947 °	37.200969 °
				-120.755164 °	-120.694775 °
DWR ID	DWR_NA0010_12_f_2015_10				

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Photo 1 of 1 : FA_2015_NA0010_130_10_20151014_00002.jpg



Looking at typical view of landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	11
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200947 °	37.200969 °
				-120.755164 °	-120.694775 °
DWR ID	DWR_NA0010_12_f _ 2015_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_130_11_20151014_00001.jpg



Looking at typical view of waterward slope.

LM Start	0.40	Rating **	M	Issue No.	13
LM End	0.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200934 °	37.200934 °
				-120.747996 °	-120.747996 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36704					
DS_ID:19855					
EP_NO: N/A					
FS_HLM: 0.4					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.5 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.39).					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5747.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.40	Rating **	M	Issue No.	13 (cont)
LM End	0.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200934 °	37.200934 °
				-120.747996 °	-120.747996 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36704
 DS_ID:19855
 EP_NO: N/A
 FS_HLM: 0.4
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.5 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.39).
 FS Date: 04/18/2014

LM Start	0.40	Rating **	M	Issue No.	13 (cont)
LM End	0.40	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5748.jpg



View of waterward side--medium grass throughout slope.

Photo 3 of 3 : UCIP_FA_2015_5749.jpg



Concrete headwall and flap gate visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.06	Rating **	M	Issue No.	14
LM End	1.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200922 °	37.200922 °
				-120.736012 °	-120.736012 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39889					
DS_ID:19856					
EP_NO: N/A					
FS_HLM: 1.06					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.06	Rating **	M	Issue No.	14 (cont)
LM End	1.06	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5482.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5483.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.06	Rating **	M	Issue No.	14 (cont)
LM End	1.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200922 °	37.200922 °
				-120.736012 °	-120.736012 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39889					
DS_ID:19856					
EP_NO: N/A					
FS_HLM: 1.06					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5484.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	1.27	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.732234 °	-120.732234 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36705 DS_ID:19857 EP_NO: N/A FS_HLM: 1.271 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 17.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.27). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_3149.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.27	Rating **	M	Issue No.	15 (cont)
LM End	1.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.732234 °	-120.732234 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36705 DS_ID:19857 EP_NO: N/A FS_HLM: 1.271 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 17.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.27). FS Date: 04/18/2014					

LM Start	1.27	Rating **	M	Issue No.	15 (cont)
LM End	1.27	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5750.jpg



View of waterward slope.

Photo 3 of 3 : UCIP_FA_2015_5751.jpg



View of concrete wall underwater.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	16
LM End	1.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200913 °	37.200913 °
				-120.727496 °	-120.727496 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34126 DS_ID:19858 EP_NO: N/A FS_HLM: 1.53 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	1.53	Rating **	M	Issue No.	16 (cont)
LM End	1.53	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5585.jpg



View of landward side--limited access due to fence.

Photo 2 of 3 : UCIP_FA_2015_5586.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	16 (cont)	
LM End	1.53	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.200913 °		37.200913
				-120.727496 °		-120.727496
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:34126						
DS_ID:19858						
EP_NO: N/A						
FS_HLM: 1.53						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_5587.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	2.16	Rating **	M	Issue No.	17
LM End	2.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200908 °	37.200908 °
				-120.716118 °	-120.716118 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39506					
DS_ID:19859					
EP_NO: N/A					
FS_HLM: 2.16					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 14.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.16).					
FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5588.jpg



Dense vegetation on landward side--limited access due to fence along landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.16	Rating **	M	Issue No.	17 (cont)
LM End	2.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200908 °	37.200908 °
				-120.716118 °	-120.716118 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39506 DS_ID:19859 EP_NO: N/A FS_HLM: 2.16 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 14.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.16). FS Date: 04/18/2014					

LM Start	2.16	Rating **	M	Issue No.	17 (cont)
LM End	2.16	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5589.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_5590.jpg



View of waterward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.33	Rating **	M	Issue No.	1
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200907 °	37.200907 °
				-120.712978 °	-120.712978 °
DWR ID	DWR_NA0010_12_s_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.70	Rating **	M	Issue No.	18
LM End	2.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200906 °	37.200906 °
				-120.706316 °	-120.706316 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39890 DS_ID:19860 EP_NO: N/A FS_HLM: 2.7 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.7 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70). FS Date: 04/18/2014					

Photo 1 of 3 : UCIP_FA_2015_5591.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.70	Rating **	M	Issue No.	18 (cont)
LM End	2.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200906 °	37.200906 °
				-120.706316 °	-120.706316 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39890
 DS_ID:19860
 EP_NO: N/A
 FS_HLM: 2.7
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.
 FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.7 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70).
 FS Date: 04/18/2014

LM Start	2.70	Rating **	M	Issue No.	18 (cont)
LM End	2.70	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5592.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5593.jpg



Concrete headwall and flat gate located on waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	10/09/2015 10/09/2015	Richard Willoughby

LM Start	3.33	Rating **	M	Issue No.	19
LM End	3.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200954 °	37.200954 °
				-120.694795 °	-120.694795 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39893 DS_ID:19906 EP_NO: N/A FS_HLM: 3.36 Repair Type: Non-Urgent Crossing Status: Not Found					

No Photos

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 13 Ash Slough			Right	1.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.15	Rating **	M	Issue No.	3
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.035697 °	37.035697 °
				-120.441197 °	-120.441197 °
DWR ID	DWR_NA0010_13_s_2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.31	Rating **	A/W	Issue No.	2
LM End	1.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.037893 °	37.046269 °
				-120.440373 °	-120.428350 °
DWR ID	DWR_NA0010_13_f_2012_2				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

No Photos

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				
Action/Comments					
Ramp					
Inspector Comments: Unauthorized ramp on waterward slope.					

Photo 1 of 3 : FA_2015_NA0010_131_5_20150914_00001.jpg



Looking at unauthorized ramp on waterward slope. (Fall 2014)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	5 (cont)	
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					
Action/Comments						
Ramp						
Inspector Comments: Unauthorized ramp on waterward slope.						

Photo 2 of 3 : FA_2015_NA0010_131_5_20150914_00002.jpg



Looking west at unauthorized ramp on waterward slope.

LM Start	0.91	Rating **	M	Issue No.	5 (cont)
LM End	0.91	Issue Type +	En	Location *	WS

Photo 3 of 3 : FA_2015_NA0010_131_5_20150914_00003.jpg



Looking east at unauthorized ramp on waterward slope.

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				
Action/Comments					
Wall					
Inspector Comments: Landowner built sand dam on upstream side of drop structure.					

Photo 1 of 5 : FA_2015_NA0010_131_6_20151014_00006.jpg



Looking south at sand dam on upstream side of structure.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	U	Issue No.	6 (cont)	
LM End	1.14	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.045541 °		37.045541 °
				-120.430014 °		-120.430014 °
DWR ID	DWR_NA0010_13_f _ 2015_6					
Action/Comments						
Wall						
Inspector Comments: Landowner built sand dam on upstream side of drop structure.						

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

LM Start	1.14	Rating **	U	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 2 of 5 : FA_2015_NA0010_131_6_20151014_00009.jpg



Looking south at downstream side of structure.

Photo 3 of 5 : FA_2015_NA0010_131_6_20151014_00010.jpg



Looking at corrugated pipe on north end on upstream side of structure.

Photo 4 of 5 : FA_2015_NA0010_131_6_20151014_00011.jpg



Looking at corrugated pipe on north end on downstream side of structure.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	U	Issue No.	6 (cont)	
LM End	1.14	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.045541 °		37.045541 °
				-120.430014 °		-120.430014 °
DWR ID	DWR_NA0010_13_f _ 2015_6					
Action/Comments						
Wall						
Inspector Comments: Landowner built sand dam on upstream side of drop structure.						

Photo 5 of 5 : FA_2015_NA0010_131_6_20151014_00012.jpg



Looking at corrugated pipe on south end on downstream side of structure.

LM Start	1.14	Rating **	M	Issue No.	7
LM End	1.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.045870 °	37.045870 °
				-120.430080 °	-120.430080 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39524 DS_ID:19908 EP_NO: N/A FS_HLM: 1.147 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No lid on riser at WS shoulder could be safety issue. FIELD_STRUCT_DESC: 2 of 2: 36-inch C.M. stormdrain pipe through the levee, 12.3 feet below the crown. Slide gate inside 48-inch C.M. pipe riser in waterward slope. Concrete distribution box (6x12-foot) on landward side. 7'X14' concrete distribution box on WS toe (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.14). FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4292.jpg



Slide gate in CMP riser without at lid on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	7 (cont)
LM End	1.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.045870 °	37.045870 °
				-120.430080 °	-120.430080 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39524
 DS_ID:19908
 EP_NO: N/A
 FS_HLM: 1.147
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No lid on riser at WS shoulder could be safety issue.
 FIELD_STRUCT_DESC: 2 of 2: 36-inch C.M. stormdrain pipe through the levee, 12.3 feet below the crown. Slide gate inside 48-inch C.M. pipe riser in waterward slope. Concrete distribution box (6x12-foot) on landward side. 7'X14' concrete distribution box on WS toe (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.14).
 FS Date: 03/27/2014

LM Start	1.14	Rating **	M	Issue No.	7 (cont)
LM End	1.14	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4293.jpg



Pipe at outlet on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4294.jpg



Concrete distribution box on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	8
LM End	1.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.045872 °	37.045872 °
				-120.430070 °	-120.430070 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39877					
DS_ID:19727					
EP_NO: N/A					
FS_HLM: 1.146					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4289.jpg



Concrete box on WS toe.

Photo 2 of 3 : UCIP_FA_2015_4290.jpg



Slide gate in CMP riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	8 (cont)	
LM End	1.14	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.045872 °	37.045872 °	
				-120.430070 °	-120.430070 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:39877						
DS_ID:19727						
EP_NO: N/A						
FS_HLM: 1.146						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_4291.jpg



Concrete box 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 14 Ash Slough			Left	1.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	1.28	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation				o	
					o	
DWR ID	DWR_NA0010_14_f_2015_3					
Action/Comments						
Remove the wild growth other than native grasses from the levee slopes.						

Photo 1 of 1 : FA_2015_NA0010_132_3_20151014_00003.jpg



Looking at typical view of waterward slope.

LM Start	0.00	Rating **	A	Issue No.	77
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032377 °	37.045398 °
				-120.441273 °	-120.427757 °
DWR ID	DWR_NA0010_14_s_2015_77				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control growth on landward slope.					

Photo 1 of 2 : FA_2015_NA0010_132_77_20151014_00004.jpg



Looking at typical view of landward slope. Fall 2015

LM Start	0.00	Rating **	A	Issue No.	77 (cont)
LM End	1.26	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_132_77_20150914_00001.jpg



Looking at typical view of growth on landward slope. Spring 2015

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	2
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.032379 °	37.045404 °
				-120.441265 °	-120.427749 °
DWR ID	DWR_NA0010_14_f_2012_2				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

No Photos

LM Start	1.14	Rating **	M	Issue No.	80
LM End	1.14	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.044906 °	37.044906 °
				-120.429695 °	-120.429695 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39526 DS_ID:19909 EP_NO: N/A FS_HLM: 1.14 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 10-feet below crown. Slide gate inside 48-inch CM pipe riser in waterward slope. Concrete distribution box (6'X7') at toe of waterward slope. Slots for wooden flashboard on waterward side of box. 7'X9' Concrete distribution box on the landward side 20-feet from toe. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.15). FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4295.jpg



concrete inlet/outlet at WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	80 (cont)
LM End	1.14	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.044906 °	37.044906 °
				-120.429695 °	-120.429695 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39526
 DS_ID:19909
 EP_NO: N/A
 FS_HLM: 1.14
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 10-feet below crown. Slide gate inside 48-inch CM pipe riser in waterward slope. Concrete distribution box (6'X7') at toe of waterward slope. Slots for wooden flashboard on waterward side of box. 7'X9' Concrete distribution box on the landward side 20-feet from toe. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.15).
 FS Date: 03/27/2014

Photo 2 of 3 : UCIP_FA_2015_4296.jpg



Concrete distribution box visible next to power pole off 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	80 (cont)
LM End	1.14	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.044906 °	37.044906 °
				-120.429695 °	-120.429695 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39526
DS_ID:19909
EP_NO: N/A
FS_HLM: 1.14
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 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.
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 10-feet below crown. Slide gate inside 48-inch CM pipe riser in waterward slope. Concrete distribution box (6'X7') at toe of waterward slope. Slots for wooden flashboard on waterward side of box. 7'X9' Concrete distribution box on the landward side 20-feet from toe. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.15).
FS Date: 03/27/2014

Photo 3 of 3 : UCIP_FA_2015_4297.jpg



Slide gate in CMP riser and outlet/inlet structure visible in background at WS toe.

LM Start	1.24	Rating **	M	Issue No.	79
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.045343 °	37.045343 °
				-120.428007 °	-120.428007 °
DWR ID	DWR_NA0010_14_s_2015_79				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.
Inspector Comments: Noted several rodent holes on landward at this location.

Photo 1 of 1 : FA_2015_NA0010_132_79_20150914_00002.jpg



Looking at typical view of rodent holes on landward slope.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 15 Berenda Slough			Right	2.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/20/2015 - 05/20/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.01	Rating **	A/W	Issue No.	11
LM End	1.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.996547 °	36.996587 °
				-120.410220 °	-120.374503 °
DWR ID	DWR_NA0010_15_s_2012_11				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 2 : FA_2015_NA0010_133_11_20151014_00003.jpg



Looking east at typical view of levee in compliance with standards. Fall 2015

LM Start	0.01	Rating **	A/W	Issue No.	11 (cont)
LM End	1.99	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA_2015_NA0010_133_11_20150914_00002.jpg



Looking east at vegetation on levee crown. Spring 2015

LM Start	0.02	Rating **	A	Issue No.	4
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996566 °	°
				-120.410043 °	°
DWR ID	DWR_NA0010_15_f_2015_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_133_4_20151014_00004.jpg



Looking at typical view of waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.02	Rating **	A	Issue No.	3
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996566 °	°
				-120.410042 °	°
DWR ID	DWR_NA0010_15_f_2015_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_133_3_20151014_00005.jpg



Looking at typical view of landward slope.

LM Start	1.00	Rating **	M	Issue No.	12
LM End	1.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996566 °	36.996566 °
				-120.392280 °	-120.392280 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39527 DS_ID:19912 EP_NO: N/A FS_HLM: 1.004 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 8.5 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). FS Date: 03/27/2014					

Photo 1 of 3 : UCIP_FA_2015_4613.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.00	Rating **	M	Issue No.	12 (cont)
LM End	1.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996566 °	36.996566 °
				-120.392280 °	-120.392280 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39527 DS_ID:19912 EP_NO: N/A FS_HLM: 1.004 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 8.5 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). FS Date: 03/27/2014					

LM Start	1.00	Rating **	M	Issue No.	12 (cont)
LM End	1.00	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4614.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2015_4615.jpg



Flapgate on concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	13
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996582 °	36.996582 °
				-120.382757 °	-120.382757 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32840					
DS_ID:19913					
EP_NO: N/A					
FS_HLM: 1.531					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.53	Rating **	M	Issue No.	13 (cont)
LM End	1.53	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4635.jpg



Concrete headwall on LS toe. Note excessive vegetation buildup.

Photo 2 of 3 : UCIP_FA_2015_4636.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	13 (cont)
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996582 °	36.996582 °
				-120.382757 °	-120.382757 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32840					
DS_ID:19913					
EP_NO: N/A					
FS_HLM: 1.531					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4637.jpg



Flapgate on concrete headwall at WS toe.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 16 Berenda Slough			Left	1.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/20/2015 - 05/20/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	5
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995298 °	°
				-120.408943 °	°
DWR ID	DWR_NA0010_16_f _ 2015_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_134_5_20151014_00006.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995298 °	°
				-120.408942 °	°
DWR ID	DWR_NA0010_16_f_2015_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_134_6_20151014_00005.jpg



Looking at typical view of waterward slope.

LM Start	0.01	Rating **	A/W	Issue No.	14
LM End	1.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.995388 °	36.995507 °
				-120.408738 °	-120.373592 °
DWR ID	DWR_NA0010_16_s_2012_14				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 1 : FA_2015_NA0010_134_14_20151014_00007.jpg



Looking west at properly maintained 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/06/2015 10/06/2015	Richard Willoughby

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Notice several rodent holes within this section.					

Photo 1 of 1 : FA_2015_NA0010_134_92_20150914_00004.jpg



Looking at several rodent holes on landward slope.

LM Start	1.44	Rating **	M	Issue No.	93
LM End	1.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995473 °	36.995473 °
				-120.382872 °	-120.382872 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39529 DS_ID:19915 EP_NO: N/A FS_HLM: 1.457 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation buildup at landside toe-- recommend clearing. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through levee, 8.5 feet below crown. Concrete "U" headwall on waterward end. Two concrete cutoff walls. Flap gate on waterward side. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.46). FS Date: 04/01/2014					

Photo 1 of 3 : UCIP_FA_2015_4269.jpg



Flapgate on headwall at WS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.44	Rating **	M	Issue No.	93 (cont)
LM End	1.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995473 °	36.995473 °
				-120.382872 °	-120.382872 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39529
 DS_ID:19915
 EP_NO: N/A
 FS_HLM: 1.457
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Dense vegetation buildup at landside toe-- recommend clearing.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through levee, 8.5 feet below crown. Concrete "U" headwall on waterward end. Two concrete cutoff walls. Flap gate on waterward side. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.46).
 FS Date: 04/01/2014

LM Start	1.44	Rating **	M	Issue No.	93 (cont)
LM End	1.44	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4270.jpg



Concrete headwall on WS toe with channel.

Photo 3 of 3 : UCIP_FA_2015_4271.jpg



Concrete headwall on LS toe covered in vegetation/tumble weeds.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/06/2015 10/06/2015	Richard Willoughby

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.76	Rating **	A/W	Issue No.	3
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.995488 °	36.995488 °
				-120.377152 °	-120.377152 °
DWR ID	DWR_NA0010_16_s _ 2012_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	1.77	Rating **	U	Issue No.	2
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995487 °	36.995487 °
				-120.377054 °	-120.377054 °
DWR ID	DWR_NA0010_16_f _ 2014_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Large rodent holes on landward slope.					

Photo 1 of 2 : FA_2015_NA0010_134_2_20150914_00001.jpg



Looking at large rodent holes on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.77	Rating **	U	Issue No.	2 (cont)	
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					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comments: Large rodent holes on landward slope.						

Photo 2 of 2 : FA_2015_NA0010_134_2_20150914_00002.jpg



Looking southwest at several rodent holes on landward slope.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 17 Chowchilla Canal Bypass			Right	16.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/20/2015 - 05/20/2015		10/07/2015 - 10/07/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.57	Rating **	M	Issue No.	12
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952254 °	36.952254 °
				-120.348804 °	-120.348804 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39531					
DS_ID:19916					
EP_NO: N/A					
FS_HLM: 2.579					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 48x60-inch R.C.B.C. through the levee, 14.6 feet below the crown. Concrete "U" headwall on the waterward end.					
Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.58).					
FS Date: 04/01/2014					

Photo 1 of 3 : UCIP_FA_2015_4066.jpg



Concrete headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2015_4067.jpg



Concrete headwall at channel on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.57	Rating **	M	Issue No.	12 (cont)
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952254 °	36.952254 °
				-120.348804 °	-120.348804 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39531					
DS_ID:19916					
EP_NO: N/A					
FS_HLM: 2.579					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4068.jpg



Flapgate on Concrete headwall at WS toe.

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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted on landward slope.					

Photo 1 of 2 : FA_2015_NA0010_135_8_20150914_00004.jpg



Looking at several rodent holes on landward slope. (Spring 2015)

LM Start	5.75	Rating **	M	Issue No.	8 (cont)
LM End	5.90	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_135_8_20150914_00005.jpg



Looking at several rodent holes on landside slope. (Fall 2014)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	6.51	Rating **	M	Issue No.	4
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.898124 °	36.896943 °
				-120.326714 °	-120.326133 °
DWR ID	DWR_NA0010_17_s_2012_4				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Notice several rodent holes within this reach.					

Photo 1 of 1 : FA_2015_NA0010_135_4_20150914_00002.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.27	Rating **	M	Issue No.	5
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.887869 °	36.886341 °
				-120.321697 °	-120.320940 °
DWR ID	DWR_NA0010_17_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Notice several rodent holes within this reach.					

Photo 1 of 1 : FA_2015_NA0010_135_5_20150914_00003.jpg



Looking at typical view of rodent holes on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	9.88	Rating **	M	Issue No.	13
LM End	9.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.850703 °	36.850703 °
				-120.314154 °	-120.314154 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39532 DS_ID:19917 EP_NO: N/A FS_HLM: 9.884 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 48x60-inch R.C.B.C. through the levee, 15-feet below the crown. Concrete "U" headwall on the waterward end. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.89). FS Date: 04/01/2014					

Photo 1 of 3 : UCIP_FA_2015_4069.jpg



Concrete headwall and channel on LS toe.

Photo 2 of 3 : UCIP_FA_2015_4070.jpg



Concrete headwall and channel 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	9.88	Rating **	M	Issue No.	13 (cont)
LM End	9.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.850703 °	36.850703 °
				-120.314154 °	-120.314154 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39532					
DS_ID:19917					
EP_NO: N/A					
FS_HLM: 9.884					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4071.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	10.47	Rating **	M	Issue No.	10
LM End	16.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.842599 °	36.774510 °
				-120.312509 °	-120.283826 °
DWR ID	DWR_NA0010_17_f_2015_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control tumble weeds on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_135_10_20151014_00006.jpg



Looking southeast at landward slope.

LM Start	12.34	Rating **	M	Issue No.	11
LM End	16.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.820563 °	36.774510 °
				-120.300629 °	-120.283825 °
DWR ID	DWR_NA0010_17_f_2015_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control new growth of tumble weeds on waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_135_11_20151014_00007.jpg



Looking north at 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	12.34	Rating **	M	Issue No.	3
LM End	12.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.820558 °	36.820155 °
				-120.300616 °	-120.300784 °
DWR ID	DWR_NA0010_17_s_2014_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Noted several rodent holes with this reach.					

Photo 1 of 2 : FA_2015_NA0010_135_3_20151014_00008.jpg



Looking at typical view of rodent holes on landward slope. Fall 2015

LM Start	12.34	Rating **	M	Issue No.	3 (cont)
LM End	12.37	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_135_3_20150914_00001.jpg



Looking at several rodent holes on landward slope. Spring 2015

LM Start	13.29	Rating **	M	Issue No.	14
LM End	13.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807509 °	36.807509 °
				-120.306231 °	-120.306231 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39533 DS_ID:19918 EP_NO: N/A FS_HLM: 13.293 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3533.jpg



Concrete headwall on LS toe. Some vegetation buildup.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	13.29	Rating **	M	Issue No.	14 (cont)
LM End	13.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807509 °	36.807509 °
				-120.306231 °	-120.306231 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39533
 DS_ID:19918
 EP_NO: N/A
 FS_HLM: 13.293
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Some vegetation buildup at inlet--recommend clearing.
 FIELD_STRUCT_DESC: 48x60-inch R.C.B.C. through the levee, 15.3 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.30).
 FS Date: 04/01/2014

LM Start	13.29	Rating **	M	Issue No.	14 (cont)
LM End	13.29	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3534.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3535.jpg



Concrete headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	14.38	Rating **	M	Issue No.	15
LM End	14.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.793318 °	36.793318 °
				-120.302138 °	-120.302138 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41406					
DS_ID:24850					
EP_NO: N/A					
FS_HLM: 14.385					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	14.38	Rating **	M	Issue No.	15 (cont)
LM End	14.38	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5938.jpg



Gasline markers visible along right side of photo.

Photo 2 of 3 : UCIP_FA_2015_5939.jpg



Gasline marker on LS shoulder.

Photo 3 of 3 : UCIP_FA_2015_5940.jpg



Gasline marker on WS slope..

LM Start	14.38	Rating **	M	Issue No.	15 (cont)
LM End	14.38	Issue Type +	En	Location *	LS

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	14.39	Rating **	U	Issue No.	16
LM End	14.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.793195 °	36.793195 °
				-120.302028 °	-120.302028 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39534					
DS_ID:19562					
EP_NO: 18568					
FS_HLM: 14.396					
Repair Type: Urgent					
Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP_FA_2015_3536.jpg



Gasline marker visible in channell off WS toe.

LM Start	14.39	Rating **	U	Issue No.	16 (cont)
LM End	14.39	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_3537.jpg



Gasline marker and concrete sump off 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	14.69	Rating **	M	Issue No.	17
LM End	14.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.789066 °	36.789066 °
				-120.300644 °	-120.300644 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39535					
DS_ID:19920					
EP_NO: N/A					
FS_HLM: 14.691					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3538.jpg



Concrete headwall at WS toe.

LM Start	14.69	Rating **	M	Issue No.	17 (cont)
LM End	14.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3573.jpg



Concrete headwall at channel on LS toe. Heavy vegetation buildup.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	10/07/2015 10/07/2015	Richard Willoughby

LM Start	14.69	Rating **	M	Issue No.	17 (cont)
LM End	14.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.789066 °	36.789066 °
				-120.300644 °	-120.300644 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39535					
DS_ID:19920					
EP_NO: N/A					
FS_HLM: 14.691					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3574.jpg



Flapgate on Concrete headwall at WS toe.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 18 Chowchilla Canal Bypass			Left	15.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/20/2015 - 05/20/2015		10/07/2015 - 10/07/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.44	Rating **	M	Issue No.	7
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.956163 °	36.956163 °
				-120.353672 °	-120.353672 °
DWR ID	DWR_NA0010_18_s_2014_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several noted on landward slope and on levee crown.					

Photo 1 of 1 : FA_2015_NA0010_137_7_20150914_00002.jpg



Looking at typical view of rodent holes within this section on landward slope.

LM Start	1.65	Rating **	A	Issue No.	367
LM End	1.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.953398 °	36.953398 °
				-120.351982 °	-120.351982 °
DWR ID	DWR_NA0010_18_s_2015_367				
Action/Comments					
Ramp					
Inspector Comments: Ramp has been inplace for several years. Need to check for permit.					

Photo 1 of 3 : FA_2015_NA0010_137_367_20150914_00003.jpg



Looking northwest at unauthorized ramp on landward slope.

LM Start	1.65	Rating **	A	Issue No.	367 (cont)
LM End	1.65	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2015_NA0010_137_367_20150914_00004.jpg



Looking northeast on at unauthorized ramp on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.65	Rating **	A	Issue No.	367 (cont)
LM End	1.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.953398 °	36.953398 °
				-120.351982 °	-120.351982 °
DWR ID	DWR_NA0010_18_s_2015_367				
Action/Comments					
Ramp					
Inspector Comments: Ramp has been inplace for several years. Need to check for permit.					

Photo 3 of 3 : FA_2015_NA0010_137_367_20150914_00005.jpg



Looking northwest at close-up view of ramp on landward slope.

LM Start	1.69	Rating **	M	Issue No.	368
LM End	1.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952821 °	36.952821 °
				-120.351597 °	-120.351597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39503 DS_ID:19925 EP_NO: 6603 FS_HLM: 1.69 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 15-inch steel pipe through the levee, 4.3 feet below the crown. Electrical conduit through the levee, 4.3 feet below the crown. Siphon breaker on landward shoulder. 36-inch concrete standpipe on landward berm. Inlet facility on waterward bank consisting of pump, 42-inch concrete standpipe, and 20-inch concrete channel intake pipe with cutoff wall. (Permit No. 6603-1970) FS Date: 04/10/2014					

Photo 1 of 3 : UCIP_FA_2015_3150.jpg



View of waterward side.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.69	Rating **	M	Issue No.	368 (cont)
LM End	1.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952821 °	36.952821 °
				-120.351597 °	-120.351597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39503 DS_ID:19925 EP_NO: 6603 FS_HLM: 1.69 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 15-inch steel pipe through the levee, 4.3 feet below the crown. Electrical conduit through the levee, 4.3 feet below the crown. Siphon breaker on landward shoulder. 36-inch concrete standpipe on landward berm. Inlet facility on waterward bank consisting of pump, 42-inch concrete standpipe, and 20-inch concrete channel intake pipe with cutoff wall. (Permit No. 6603-1970) FS Date: 04/10/2014					

LM Start	1.69	Rating **	M	Issue No.	368 (cont)
LM End	1.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3151.jpg



Pump system located on waterward slope.

Photo 3 of 3 : UCIP_FA_2015_3152.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.25	Rating **	U	Issue No.	369
LM End	2.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.945577 °	36.945577 °
				-120.347140 °	-120.347140 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43089					
DS_ID:19926					
EP_NO: 6603					
FS_HLM: 2.25					
Repair Type: Urgent					
Crossing Status: Found					

LM Start	2.25	Rating **	U	Issue No.	369 (cont)
LM End	2.25	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3810.jpg



Overview of landward side--site modified.

Photo 2 of 3 : UCIP_FA_2015_3811.jpg



View of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.25	Rating **	U	Issue No.	369 (cont)
LM End	2.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.945577 °	36.945577 °
				-120.347140 °	-120.347140 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43089					
DS_ID:19926					
EP_NO: 6603					
FS_HLM: 2.25					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3812.jpg



View of waterward side.

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One large rodent hole and other rodent holes within this area.					

Photo 1 of 2 : FA_2015_NA0010_137_8_20151014_00006.jpg



Looking at large rodent hole on landward slope.

LM Start	2.25	Rating **	U	Issue No.	8 (cont)
LM End	2.25	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_137_8_20151014_00007.jpg



Looking at close-up view of large rodent hole 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	5.89	Rating **	M	Issue No.	1
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.895175 °	36.895175 °
				-120.327632 °	-120.327632 °
DWR ID	DWR_NA0010_18_s_2015_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several large rodent holes noted on landward slope and berm within this section.					

Photo 1 of 1 : FA_2015_NA0010_137_1_20150914_00001.jpg



Looking at several rodent holes on landward slope.

LM Start	6.52	Rating **	M	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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	7.54	Rating **	M	Issue No.	370
LM End	7.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.872431 °	36.872431 °
				-120.319415 °	-120.319415 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36843
 DS_ID:19930
 EP_NO: N/A
 FS_HLM: 7.52
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 42-inch concrete pipe through the levee, 19.0 feet below the crown. Gate structure on waterward shoulder. Pipe section on waterward side is corrugated metal and pipe section on landward side is reinforced concrete. (Permit No. 13548-1984, New Stone Water District)
 FS Date: 04/10/2014

LM Start	7.54	Rating **	M	Issue No.	370 (cont)
LM End	7.54	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4814.jpg



CMP section visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_4815.jpg



Overview of levee crown at crossing--slide gate inside concrete box located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	7.54	Rating **	M	Issue No.	370 (cont)
LM End	7.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.872431 °	36.872431 °
				-120.319415 °	-120.319415 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36843					
DS_ID:19930					
EP_NO: N/A					
FS_HLM: 7.52					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4816.jpg



Pipe section distorted on waterward side.

LM Start	13.57	Rating **	A/W	Issue No.	3
LM End	15.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.792861 °	36.776058 °
				-120.304907 °	-120.287111 °
DWR ID	DWR_NA0010_18_f_2012_3				
Action/Comments					
Repair depressions or ruts in the crown or 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	13.59	Rating **	M	Issue No.	371
LM End	13.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792684 °	36.792684 °
				-120.304542 °	-120.304542 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39505 DS_ID:19932 EP_NO: N/A FS_HLM: 13.57 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple markers visible along waterward and landward sides unable to confirm how many crossings go through levee. Need to contact owner to obtain additional details on crossings. FIELD_STRUCT_DESC: 6-inch gas line through the levee. Extends underneath the channel. FS Date: 04/08/2014					

LM Start	13.59	Rating **	M	Issue No.	371 (cont)
LM End	13.59	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4350.jpg



Ramp visible on landward side.

Photo 2 of 3 : UCIP_FA_2015_4351.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	10/07/2015 10/07/2015	Richard Willoughby

LM Start	13.59	Rating **	M	Issue No.	371 (cont)
LM End	13.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792684 °	36.792684 °
				-120.304542 °	-120.304542 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39505					
DS_ID:19932					
EP_NO: N/A					
FS_HLM: 13.57					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_4352.jpg



Markers visible on waterward side.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 22A East Side Canal			Left	5.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/19/2015 - 05/19/2015		10/06/2015 - 10/06/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.10	Rating **	U	Issue No.	260
LM End	0.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.207039 °	37.207039 °
				-120.696255 °	-120.696255 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:39874 DS_ID:19933 EP_NO: N/A FS_HLM: 0.1 Repair Type: Urgent Crossing Status: Found UCIP Comments: No actuator wheel on slide gate at WS shoulder. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 14.8 feet below the crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.10). FS Date: 04/15/2014					

LM Start	0.10	Rating **	U	Issue No.	260 (cont)
LM End	0.10	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_1238.jpg



Concrete headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2015_1239.jpg



PVC pipes sticking up out of channel likely indicate pipe location on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.10	Rating **	U	Issue No.	260 (cont)
LM End	0.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.207039 °	37.207039 °
				-120.696255 °	-120.696255 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39874					
DS_ID:19933					
EP_NO: N/A					
FS_HLM: 0.1					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1240.jpg



Concrete headwall at toe of LS slope.

LM Start	0.53	Rating **	U	Issue No.	21
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.213006 °	37.213006 °
				-120.698019 °	-120.698019 °
DWR ID	DWR_NA0010_22A_f_2014_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation on landward slope.					

Photo 1 of 2 : FA_2015_NA0010_138_21_20151014_00020.jpg



Looking at dense vegetation on landward slope. Fall 2015

LM Start	0.53	Rating **	U	Issue No.	21 (cont)
LM End	0.53	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_138_21_20150914_00014.jpg



Looking south at dense vegetation on landward slope. Spring 2015

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	0.69	Rating **	A/W	Issue No.	8
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.215360 °	37.218128 °
				-120.698078 °	-120.697457 °
DWR ID	DWR_NA0010_22A_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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				
Action/Comments					
Sign Inspector Comments: Pulley on waterward shouder without board permit.					

Photo 1 of 1 : FA_2015_NA0010_138_23_20150914_00018.jpg



Looking south at pulley on waterward shoulder.

LM Start	0.96	Rating **	A/W	Issue No.	22
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.219137 °	37.219137 °
				-120.697857 °	-120.697857 °
DWR ID	DWR_NA0010_22A_f_2014_22				
Action/Comments					
Repair slope instability.					
Inspector Comments: Irrigation district clearing channel.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.57	Rating **	M	Issue No.	261
LM End	1.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.227588 °	37.227588 °
				-120.700945 °	-120.700945 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33733
 DS_ID:19936
 EP_NO: N/A
 FS_HLM: 1.57
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gate rusted and does not function. Headwall buried at LS toe. Pipe appears abandoned and if so should be done so properly.
 FIELD_STRUCT_DESC: 8-inch CM irrigation pipe through levee, 7.0-feet below the crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.57).
 FS Date: 04/15/2014

LM Start	1.57	Rating **	M	Issue No.	261 (cont)
LM End	1.57	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_1235.jpg



Burried concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2015_1236.jpg



Inside CMP riser on WS shoulder.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	1.57	Rating **	M	Issue No.	261 (cont)
LM End	1.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.227588 °	37.227588 °
				-120.700945 °	-120.700945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33733 DS_ID:19936 EP_NO: N/A FS_HLM: 1.57 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1237.jpg



Pipe and CMP riser with slide gate visible on WS slope.

LM Start	2.71	Rating **	M	Issue No.	262
LM End	2.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243501 °	37.243501 °
				-120.706773 °	-120.706773 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33732					
DS_ID:19937					
EP_NO: N/A					
FS_HLM: 2.715					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate does not function and should be repaired.					
Headwall at LS toe not found.					
FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 7.5-feet below the crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Concrete "U" headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.72).					
FS Date: 04/15/2014					

Photo 1 of 3 : UCIP_FA_2015_1234.jpg



Slidegate in CMP riser on WS shoulder. (Note: actuator does not work).

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	2.71	Rating **	M	Issue No.	262 (cont)
LM End	2.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243501 °	37.243501 °
				-120.706773 °	-120.706773 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33732
 DS_ID:19937
 EP_NO: N/A
 FS_HLM: 2.715
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gate does not function and should be repaired.
 Headwall at LS toe not found.
 FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee,
 7.5-feet below the crown. Slide gate inside 36-inch CM pipe riser in the
 waterward slope. Concrete "U" headwall on the landward end. (USACE-
 1967). This entry matches the Drainage or Irrigation Structure
 referenced in O&M manual (HLM 2.72).
 FS Date: 04/15/2014

LM Start	2.71	Rating **	M	Issue No.	262 (cont)
LM End	2.71	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4699.jpg



Inside CMP riser on WS shoulder.

Photo 3 of 3 : UCIP_FA_2015_4700.jpg



Pipe visible on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	2.86	Rating **	M	Issue No.	15
LM End	3.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.245431 °	37.247343 °
				-120.707990 °	-120.710362 °
DWR ID	DWR_NA0010_22A_s _ 2014_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes on landward slope and toe.					

Photo 1 of 1 : FA_2015_NA0010_138_15_20150914_00013.jpg



Looking at several rodent holes on landward slope.

LM Start	3.14	Rating **	A/W	Issue No.	2
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.248208 °	37.248208 °
				-120.711500 °	-120.711500 °
DWR ID	DWR_NA0010_22A_s _ 2012_2				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.79	Rating **	M	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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	3.80	Rating **	M	Issue No.	259
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255067 °	37.255067 °
				-120.719910 °	-120.719910 °
DWR ID	DWR_NA0010_22A_s _ 2015_259				
Action/Comments					
Tree or limb					
Inspector Comments: Dead tree stump on waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_138_259_20150914_00019.jpg



Looking east at dead stump on waterward slope.

LM Start	4.69	Rating **	A	Issue No.	3
LM End	4.69	Issue Type +	En	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.264250 °	37.264250 °
				-120.731280 °	-120.731280 °
DWR ID	DWR_NA0010_22A_f _ 2014_3				
Action/Comments					
Inspector Comments: Old wooden dilapidated bridge in channel has been removed.					

Photo 1 of 5 : FA_2015_NA0010_138_3_20150914_00001.jpg



Looking east at bridge in canal. (Fall 2014)

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS

Photo 2 of 5 : FA_2015_NA0010_138_3_20150914_00002.jpg



Looking northeast at old site of dilapidated bridge. (Spring 2015)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	4.69	Rating **	A	Issue No.	3 (cont)	
LM End	4.69	Issue Type +	En	Location *	WS	
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.264250 °		37.264250 °
				-120.731280 °		-120.731280 °
DWR ID	DWR_NA0010_22A_f_2014_3					
Action/Comments						
Inspector Comments: Old wooden dilapidated bridge in channel has been removed.						

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS

Photo 3 of 5 : FA_2015_NA0010_138_3_20150914_00003.jpg



Looking east at old bridge in canal. (Fall 2014)

Photo 4 of 5 : FA_2015_NA0010_138_3_20150914_00004.jpg



Looking northeast at dilapidated bridge across canal.

Photo 5 of 5 : FA_2015_NA0010_138_3_20150914_00005.jpg



Looking east at dilapidated bridge across canal.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	4.79	Rating **	A/W	Issue No.	5
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.265180 °	37.265743 °
				-120.732745 °	-120.733602 °
DWR ID	DWR_NA0010_22A_s_2012_5				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Erosion sites repaired by LMA on waterward toe.					

Photo 1 of 2 : FA_2015_NA0010_138_5_20150914_00008.jpg



Looking at erosion sites repaired with rip-rap on waterward slope and toe. (Spring 2015)

LM Start	4.79	Rating **	A/W	Issue No.	5 (cont)
LM End	4.86	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0010_138_5_20150914_00009.jpg



Looking north at waterside erosion from livestock. (Fall 2014)

LM Start	4.81	Rating **	A/W	Issue No.	10
LM End	4.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.265330 °	37.265705 °
				-120.732960 °	-120.733553 °
DWR ID	DWR_NA0010_22A_s_2012_10				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	5.03	Rating **	M	Issue No.	12
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.267271 °	37.267271 °
				-120.736067 °	-120.736067 °
DWR ID	DWR_NA0010_22A_s _ 2014_12				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Slope damage caused by animal traffic.					

Photo 1 of 1 : FA_2015_NA0010_138_12_20150914_00012.jpg



Looking south at slope damage cause by animal traffic on waterside slope.

LM Start	5.05	Rating **	M	Issue No.	4
LM End	5.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.267516 °	37.267516 °
				-120.736401 °	-120.736401 °
DWR ID	DWR_NA0010_22A_f _ 2013_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Erosion caused by animal traffic.					

Photo 1 of 2 : FA_2015_NA0010_138_4_20150914_00006.jpg



Looking southeast at livestock erosion on waterward toe.

LM Start	5.05	Rating **	M	Issue No.	4 (cont)
LM End	5.05	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0010_138_4_20150914_00007.jpg



Looking south livestock erosion on waterward toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	5.14	Rating **	M	Issue No.	6
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.268492 °	37.269133
				-120.737493 °	-120.738208
DWR ID	DWR_NA0010_22A_s_2012_6				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Erosion caused by livestock on waterside toe.					

Photo 1 of 2 : FA_2015_NA0010_138_6_20150914_00010.jpg



Looking south at livestock erosion on waterward toe.

LM Start	5.14	Rating **	M	Issue No.	6 (cont)
LM End	5.20	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0010_138_6_20150914_00011.jpg



Looking north at livestock erosion along waterside slope and toe.

LM Start	5.48	Rating **	M	Issue No.	263
LM End	5.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272079 °	37.272079 °
				-120.741575 °	-120.741575 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39536 DS_ID:19938 EP_NO: N/A FS_HLM: 5.48 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4696.jpg



Buried headwall 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	10/06/2015 10/06/2015	Richard Willoughby

LM Start	5.48	Rating **	M	Issue No.	263 (cont)
LM End	5.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272079 °	37.272079 °
				-120.741575 °	-120.741575 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39536
 DS_ID:19938
 EP_NO: N/A
 FS_HLM: 5.48
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner. Pipe silted in on LS toe.
 Appears abandoned and if so should be done so properly.
 FIELD_STRUCT_DESC: 48-inch CM irrigation pipe through the levee,
 10 feet below the crown. Slide gate inside 60-inch CM pipe riser in the
 waterward slope. Concrete headwall on the landward end. Waterward
 end capped with 1/4-inch steel plate. (USACE-1967). This entry
 matches the Drainage or Irrigation Structure referenced in O&M manual
 (HLM 5.48).
 FS Date: 04/15/2014

LM Start	5.48	Rating **	M	Issue No.	263 (cont)
LM End	5.48	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_4697.jpg



Inside riser on WS shoulder.

Photo 3 of 3 : UCIP_FA_2015_4698.jpg



Slidegate inside riser on WS shoulder.

* 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 23 San Joaquin River			Right	10.24
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/20/2015 - 05/20/2015		10/07/2015 - 10/07/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	30
LM End	0.21	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.772713 °	36.772713 °
				-120.280670 °	-120.280670 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39537
 DS_ID:19945
 EP_NO: N/A
 FS_HLM: 0.209
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Excessive vegetation at inlet--recommend clearing.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee 13.0 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.21). Cleaned and rehabilitated under Permit No. 13085 (1981).
 FS Date: 04/03/2014

LM Start	0.21	Rating **	M	Issue No.	30 (cont)
LM End	0.21	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_3799.jpg



Flapgate on Concrete headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2015_3800.jpg



Concrete headwall on WS toe at channel.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	30 (cont)
LM End	0.21	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.772713 °	36.772713 °
				-120.280670 °	-120.280670 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39537					
DS_ID:19945					
EP_NO: N/A					
FS_HLM: 0.209					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3801.jpg



Concrete headwall at LS toe. Excess vegetation buildup at inlet.

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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

Photo 1 of 1 : FA_2015_NA0010_139_6_20150914_00005.jpg



Looking at elderberry on landward toe.

LM Start	1.53	Rating **	U	Issue No.	29
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.772041 °	36.772041 °
				-120.259549 °	-120.259549 °
DWR ID	DWR_NA0010_23_f_2014_29				
Action/Comments					
Ditch Inspector Comments: Trench at landward toe. Trench is ten to twelve inches wide and twenty feet long.					

Photo 1 of 3 : FA_2015_NA0010_139_29_20150914_00017.jpg



Looking south at trench at landward toe. (Spring 2015)

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.53	Rating **	U	Issue No.	29 (cont)
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.772041 °	36.772041 °
				-120.259549 °	-120.259549 °
DWR ID	DWR_NA0010_23_f_2014_29				
Action/Comments					
Ditch					
Inspector Comments: Trench at landward toe. Trench is ten to twelve inches wide and twenty feet long.					

Photo 2 of 3 : FA_2015_NA0010_139_29_20150914_00018.jpg



Looking south at trench at landward toe.

LM Start	1.53	Rating **	U	Issue No.	29 (cont)
LM End	1.53	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2015_NA0010_139_29_20150914_00019.jpg



Looking north at trench at landward toe.

LM Start	1.54	Rating **	U	Issue No.	24
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.771922 °	36.771922 °
				-120.259321 °	-120.259321 °
DWR ID	DWR_NA0010_23_f_2015_24				
Action/Comments					
Ditch					
Inspector Comments: Landowner digging at landward berm.					

Photo 1 of 3 : FA_2015_NA0010_139_24_20151014_00021.jpg



Looking southeast at large pot hole on landward berm.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.54	Rating **	U	Issue No.	24 (cont)	
LM End	1.54	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			36.771922 °	36.771922 °	
				-120.259321 °	-120.259321 °	
DWR ID	DWR_NA0010_23_f_2015_24					
Action/Comments						
Ditch						
Inspector Comments: Landowner digging at landward berm.						

Photo 2 of 3 : FA_2015_NA0010_139_24_20151014_00022.jpg



Looking south west at large pot hole on landward berm.

LM Start	1.54	Rating **	U	Issue No.	24 (cont)
LM End	1.54	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2015_NA0010_139_24_20151014_00023.jpg



Looking south at trench on landward berm.

LM Start	1.63	Rating **	M	Issue No.	31
LM End	1.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771408 °	36.771408 °
				-120.257899 °	-120.257899 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39538 DS_ID:19948 EP_NO: N/A FS_HLM: 1.633 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3796.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.63	Rating **	M	Issue No.	31 (cont)
LM End	1.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771408 °	36.771408 °
				-120.257899 °	-120.257899 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39538
 DS_ID:19948
 EP_NO: N/A
 FS_HLM: 1.633
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 11.0 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end.
 FS Date: 04/03/2014

LM Start	1.63	Rating **	M	Issue No.	31 (cont)
LM End	1.63	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3797.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3798.jpg



Flapgate on Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.65	Rating **	U	Issue No.	25
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771440 °	36.771619 °
				-120.257528 °	-120.256277 °
DWR ID	DWR_NA0010_23_f_2015_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation (tumble weeds) on waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_139_25_20151014_00024.jpg



Looking at dense vegetation (tumble weeds) on waterward slope.

LM Start	1.91	Rating **	U	Issue No.	1
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.772943 °	36.772943 °
				-120.253511 °	-120.253511 °
DWR ID	DWR_NA0010_23_s_2015_1				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Untrimmed tree on waterward slope					

Photo 1 of 1 : FA_2015_NA0010_139_1_20151014_00025.jpg



Looking at untrimmed tree on waterward slope.

LM Start	2.12	Rating **	A/W	Issue No.	16
LM End	2.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.775507 °	36.774423 °
				-120.251672 °	-120.246993 °
DWR ID	DWR_NA0010_23_s_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Several damaged sites within this reach. Damage caused by vehicle traffic.					

Photo 1 of 1 : FA_2015_NA0010_139_16_20150914_00015.jpg



Looking south at waterward slope damaged by vehicle traffic

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.85	Rating **	M	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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry bush on landward toe.					

Photo 1 of 2 : FA_2015_NA0010_139_15_20150914_00013.jpg



Looking south at elderberry at landward toe. (Spring 2015)

LM Start	2.85	Rating **	M	Issue No.	15 (cont)
LM End	2.85	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_139_15_20150914_00014.jpg



Looking south at elderberry on landside toe and berm. (Fall 2014)

LM Start	3.30	Rating **	M	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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

Photo 1 of 3 : FA_2015_NA0010_139_3_20150914_00001.jpg



Looking south at elderberry on landward toe and berm. (Spring 2015)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	3.30	Rating **	M	Issue No.	3 (cont)	
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					
Action/Comments						
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.						

LM Start	3.30	Rating **	M	Issue No.	3 (cont)
LM End	3.30	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2015_NA0010_139_3_20150914_00002.jpg



Looking south at elderberry on landside toe and berm. (Fall 2014)

Photo 3 of 3 : FA_2015_NA0010_139_3_20150914_00003.jpg



Looking south at elderberry bush on landward toe. (Spring 2013)

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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe and berm.					

Photo 1 of 1 : FA_2015_NA0010_139_9_20150914_00006.jpg



Looking south at elderberry on landside toe and berm.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	4.13	Rating **	M	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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

LM Start	4.13	Rating **	M	Issue No.	10 (cont)
LM End	4.13	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2015_NA0010_139_10_20150914_00007.jpg



Looking south at elderberry bush on landward toe. (Fall 2013)

Photo 2 of 2 : FA_2015_NA0010_139_10_20150914_00008.jpg



Looking south at elderberry on landside toe and berm.

LM Start	4.45	Rating **	M	Issue No.	11
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784523 °	36.784523
				-120.223292 °	-120.223292
DWR ID	DWR_NA0010_23_s_2012_11				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe and berm.					

Photo 1 of 2 : FA_2015_NA0010_139_11_20150914_00009.jpg



Looking south at elderberry on landward toe and berm. (Spring 2015)

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	11 (cont)
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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe and berm.					

Photo 2 of 2 : FA_2015_NA0010_139_11_20150914_00010.jpg



Looking south at elderberry on landside toe and berm.

LM Start	4.71	Rating **	M	Issue No.	32
LM End	4.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.787713 °	36.787713 °
				-120.221399 °	-120.221399 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41827					
DS_ID:19952					
EP_NO: N/A					
FS_HLM: 4.72					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Verify abandonment with gas company. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 4-inch gas line through the levee, 6.0 feet below the crown. Gas line gaging area and compressor station in the channel 50 feet from the waterward toe.					
FS Date: 04/03/2014					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	4.85	Rating **	M	Issue No.	33
LM End	4.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.789550 °	36.789550 °
				-120.220367 °	-120.220367 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:39540
 DS_ID:19953
 EP_NO: N/A
 FS_HLM: 4.859
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Heavy vegetation at inlet and outlet--recommend clearing.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 10.7 feet below the crown. Concrete "U" headwall on both ends. 4.5'X7' Concrete riser with slide gate on the waterward slope. Inlet channel cobble revetted 15.0 feet long.
 FS Date: 04/03/2014

LM Start	4.85	Rating **	M	Issue No.	33 (cont)
LM End	4.85	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3708.jpg



Heavy vegetation in outlet/channel on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3709.jpg



Slide gate in concrete riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	4.85	Rating **	M	Issue No.	33 (cont)
LM End	4.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.789550 °	36.789550 °
				-120.220367 °	-120.220367 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39540					
DS_ID:19953					
EP_NO: N/A					
FS_HLM: 4.859					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3710.jpg



Heavy vegetation at concrete inlet on LS toe.

LM Start	5.68	Rating **	U	Issue No.	5
LM End	5.68	Issue Type +	Ma	Location *	WS
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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes in this area.					

Photo 1 of 1 : FA_2015_NA0010_139_5_20150914_00004.jpg



Looking at several rodent holes on landside slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	5.68	Rating **	M	Issue No.	34
LM End	5.68	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.791936 °	36.791936 °
				-120.206226 °	-120.206226 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39542 DS_ID:19954 EP_NO: N/A FS_HLM: 5.69 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 36-inch square R.C.B.C through the levee 9.0 feet below the crown. Concrete "U" headwalls on both ends. Flap gate on the waterward end. Outlet channel cobble revetted 5.0 feet long. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.71). FS Date: 04/03/2014					

Photo 1 of 3 : UCIP_FA_2015_3590.jpg



Flapgate on Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3591.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	5.68	Rating **	M	Issue No.	34 (cont)
LM End	5.68	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.791936 °	36.791936 °
				-120.206226 °	-120.206226 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39542					
DS_ID:19954					
EP_NO: N/A					
FS_HLM: 5.69					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3707.jpg



Concrete headwall at LS toe.

LM Start	6.58	Rating **	A/W	Issue No.	14
LM End	6.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.782020 °	36.782020 °
				-120.199789 °	-120.199789 °
DWR ID	DWR_NA0010_23_s_2015_14				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Two depressions greater than 3' on levee crown.					

Photo 1 of 2 : FA_2015_NA0010_139_14_20150914_00011.jpg



Looking at one of two depression on levee crown.

LM Start	6.58	Rating **	A/W	Issue No.	14 (cont)
LM End	6.58	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA_2015_NA0010_139_14_20150914_00012.jpg



Looking at two depression on 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	7.06	Rating **	M	Issue No.	35
LM End	7.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778783 °	36.778783 °
				-120.192447 °	-120.192447 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39543					
DS_ID:19939					
EP_NO: N/A					
FS_HLM: 7.064					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3587.jpg



Concrete headwall on WS toe.

LM Start	7.06	Rating **	M	Issue No.	35 (cont)
LM End	7.06	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_3588.jpg



Concrete headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	7.06	Rating **	M	Issue No.	35 (cont)
LM End	7.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778783 °	36.778783 °
				-120.192447 °	-120.192447 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39543					
DS_ID:19939					
EP_NO: N/A					
FS_HLM: 7.064					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3589.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	8.32	Rating **	M	Issue No.	36
LM End	8.32	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792476 °	36.792476 °
				-120.181255 °	-120.181255 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39544					
DS_ID:19940					
EP_NO: N/A					
FS_HLM: 8.327					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 5.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwalls on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.33).					
FS Date: 04/03/2014					

Photo 1 of 3 : UCIP_FA_2015_3584.jpg



cocrete headwall at drainage ditch 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	8.32	Rating **	M	Issue No.	36 (cont)
LM End	8.32	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792476 °	36.792476 °
				-120.181255 °	-120.181255 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39544					
DS_ID:19940					
EP_NO: N/A					
FS_HLM: 8.327					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 5.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwalls on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.33).					
FS Date: 04/03/2014					

Photo 2 of 3 : UCIP_FA_2015_3585.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3586.jpg



Flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	8.47	Rating **	A/W	Issue No.	17
LM End	8.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.793717 °	36.793717 °
				-120.178997 °	-120.178997 °
DWR ID	DWR_NA0010_23_s_2015_17				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Waterward slope.					

Photo 1 of 1 : FA_2015_NA0010_139_17_20150914_00016.jpg



Looking southwest at waterward slope damaged due to vehicle traffic.

LM Start	8.52	Rating **	M	Issue No.	37
LM End	8.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.794108 °	36.794108 °
				-120.178171 °	-120.178171 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39545 DS_ID:19941 EP_NO: N/A FS_HLM: 8.532 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 5.6 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.54). FS Date: 04/03/2014					

Photo 1 of 3 : UCIP_FA_2015_3581.jpg



Concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	8.52	Rating **	M	Issue No.	37 (cont)
LM End	8.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.794108 °	36.794108 °
				-120.178171 °	-120.178171 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39545					
DS_ID:19941					
EP_NO: N/A					
FS_HLM: 8.532					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 5.6 feet below the crown. Concrete "U" headwall on the waterward end.					
Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.54).					
FS Date: 04/03/2014					

Photo 2 of 3 : UCIP_FA_2015_3582.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2015_3583.jpg



Flapgate on Concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	9.10	Rating **	A/W	Issue No.	18
LM End	9.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.801334 °	36.804311 °
				-120.174397 °	-120.169135 °
DWR ID	DWR_NA0010_23_s_2014_18				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on crown.					

No Photos

LM Start	9.75	Rating **	U	Issue No.	38
LM End	9.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807768 °	36.807768 °
				-120.168848 °	-120.168848 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33066					
DS_ID:19943					
EP_NO: N/A					
FS_HLM: 9.761					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate.					
FIELD_STRUCT_DESC: 1 of 2: 5.25 x 4 foot R.C.B.C. through the levee, 10.0 feet below the crown. Concrete "U" headwall on the waterward end. Gear pedestal slide gate with wall bracket on the waterward headwall. Concrete "U" headwall on the landward end. Outlet channel cobble revetted 10.0 feet long. Guard rails on both shoulders. Slide gates on waterward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.76). [Gravelly Ford Canal Irrigation Structure]					
FS Date: 04/03/2014					

Photo 1 of 3 : UCIP_FA_2015_3578.jpg



Heavy corrosion in slide gate tracks on WS toe.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	9.75	Rating **	U	Issue No.	38 (cont)	
LM End	9.75	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			36.807768 °	36.807768 °	
				-120.168848 °	-120.168848 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:33066 DS_ID:19943 EP_NO: N/A FS_HLM: 9.761 Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. FIELD_STRUCT_DESC: 1 of 2: 5.25 x 4 foot R.C.B.C. through the levee, 10.0 feet below the crown. Concrete "U" headwall on the waterward end. Gear pedestal slide gate with wall bracket on the waterward headwall. Concrete "U" headwall on the landward end. Outlet channel cobble revetted 10.0 feet long. Guard rails on both shoulders. Slide gates on waterward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.76). [Gravelly Ford Canal Irrigation Structure] FS Date: 04/03/2014						

Photo 2 of 3 : UCIP_FA_2015_3579.jpg



Slide gate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP_FA_2015_3580.jpg



Slide gate actuator visible on WS shoulder with concrete headwall.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	9.75	Rating **	U	Issue No.	39
LM End	9.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807777 °	36.807777 °
				-120.168843 °	-120.168843 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33063					
DS_ID:19980					
EP_NO: N/A					
FS_HLM: 9.762					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3575.jpg



Slide gate tracks show heavy corrosion impacting actuation of slide gate.

Photo 2 of 3 : UCIP_FA_2015_3576.jpg



Slide gates 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	10/07/2015 10/07/2015	Richard Willoughby

LM Start	9.75	Rating **	U	Issue No.	39 (cont)
LM End	9.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807777 °	36.807777 °
				-120.168843 °	-120.168843 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33063					
DS_ID:19980					
EP_NO: N/A					
FS_HLM: 9.762					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3577.jpg



Slide gate actuators on Concrete headwall at WS shoulder.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 24 San Joaquin River			Left	8.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/20/2015 - 05/20/2015		10/07/2015 - 10/07/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	12
LM End	6.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting				°
					°
DWR ID	DWR_NA0010_24_f _ 2014_12				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	16
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.773123 °	36.771720 °
				-120.285215 °	-120.274352 °
DWR ID	DWR_NA0010_24_f_2015_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.06	Rating **	M	Issue No.	47
LM End	0.06	Issue Type +	En	Location *	LS
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				
Action/Comments					
Material					
Inspector Comments: District constructed a berm on waterward slope.					
Berm is being used for staging of earthen material.					

Photo 1 of 2 : FA_2015_NA0010_140_47_20150914_00007.jpg



Looking south at berm on waterward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	0.06	Rating **	M	Issue No.	47 (cont)
LM End	0.06	Issue Type +	En	Location *	LS
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				
Action/Comments					
Material					
Inspector Comments: District constructed a berm on waterward slope.					
Berm is being used for staging of earthen material.					

Photo 2 of 2 : FA_2015_NA0010_140_47_20150914_00008.jpg



Looking north at berm on waterward slope.

LM Start	0.28	Rating **	M	Issue No.	17
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.769971 °	36.769971 °
				-120.283041 °	-120.283041 °
DWR ID	DWR_NA0010_24_f_2015_17				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	269
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.766872 °	36.766872 °
				-120.283212 °	-120.283212 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33264
 DS_ID:19955
 EP_NO: N/A
 FS_HLM: 0.5
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 13.5 feet below the crown. Concrete headwalls on both ends. Flap gate on the waterward end.
 FS Date: 04/08/2014

LM Start	0.50	Rating **	M	Issue No.	269 (cont)
LM End	0.50	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4074.jpg



Square gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_4075.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	269 (cont)
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.766872 °	36.766872 °
				-120.283212 °	-120.283212 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33264					
DS_ID:19955					
EP_NO: N/A					
FS_HLM: 0.5					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4076.jpg



View of waterward side.

LM Start	0.82	Rating **	M	Issue No.	6
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.766775 °	36.766775 °
				-120.278757 °	-120.278757 °
DWR ID	DWR_NA0010_24_s_2013_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes within this section.					

Photo 1 of 1 : FA_2015_NA0010_140_6_20150914_00004.jpg



Looking at several rodent holes on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.06	Rating **	M	Issue No.	270
LM End	1.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.769574 °	36.769574 °
				-120.276253 °	-120.276253 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33265
 DS_ID:19961
 EP_NO: 13735
 FS_HLM: 1.06
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Unable to determine status of crossing. Need to contact owner to determine status of crossing.
 FIELD_STRUCT_DESC: 24-inch steel discharge pipe through the levee, 2-feet below the crown. Roadway on crown has been padded 1-foot. Siphon breaker on the apex of pipeline on landward shoulder. Galvanized siphon vent pipe on the landward shoulder. Steel cutoff wall around the pipeline at centerline of levee. Pump on landward side. (Permit No. 13735-1984).
 FS Date: 04/08/2014

LM Start	1.06	Rating **	M	Issue No.	270 (cont)
LM End	1.06	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_4077.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2015_4078.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.25	Rating **	A/W	Issue No.	13
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.771834 °	36.771834
				-120.274224 °	-120.274224
DWR ID	DWR_NA0010_24_f_2014_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Slope damage due to vehicle traffic.					

Photo 1 of 1 : FA_2015_NA0010_140_13_20150914_00006.jpg



Looking north at slope damage by vehicle traffic on landward slope.

LM Start	1.74	Rating **	M	Issue No.	271
LM End	1.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771065 °	36.771065 °
				-120.266294 °	-120.266294 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33266					
DS_ID:19962					
EP_NO: 13085					
FS_HLM: 1.74					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 20-inch steel discharge pipe through the					
levee, 2-feet below the crown. Siphon breaker installed on apex of pipe					
on the landward shoulder. Steel cutoff wall placed around pipeline at					
each shoulder. Pipeline encased through the levee crown in concrete.					
Vent pipe on landward side. Rock riprap on the waterward levee slope.					
(Permit No. 13085-1981).					
FS Date: 04/08/2014					

Photo 1 of 3 : UCIP_FA_2015_4079.jpg



Overview of levee crown at crossing.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	1.74	Rating **	M	Issue No.	271 (cont)
LM End	1.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771065 °	36.771065 °
				-120.266294 °	-120.266294 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:33266
 DS_ID:19962
 EP_NO: 13085
 FS_HLM: 1.74
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Need to contact owner to determine status.
 FIELD_STRUCT_DESC: 20-inch steel discharge pipe through the levee, 2-feet below the crown. Siphon breaker installed on apex of pipe on the landward shoulder. Steel cutoff wall placed around pipeline at each shoulder. Pipeline encased through the levee crown in concrete. Vent pipe on landward side. Rock riprap on the waterward levee slope. (Permit No. 13085-1981).
 FS Date: 04/08/2014

LM Start	1.74	Rating **	M	Issue No.	271 (cont)
LM End	1.74	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4080.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_4081.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.69	Rating **	M	Issue No.	272
LM End	2.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771742 °	36.771742 °
				-120.250929 °	-120.250929 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33267					
DS_ID:19963					
EP_NO: 13735					
FS_HLM: 2.69					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3557.jpg



View of waterward side.

LM Start	2.69	Rating **	M	Issue No.	272 (cont)
LM End	2.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_3558.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	2.69	Rating **	M	Issue No.	272 (cont)
LM End	2.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771742 °	36.771742 °
				-120.250929 °	-120.250929 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33267					
DS_ID:19963					
EP_NO: 13735					
FS_HLM: 2.69					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4082.jpg



Overview of levee crown at crossing.

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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One of several rodent holes on landward slope.					

Photo 1 of 1 : FA_2015_NA0010_140_7_20150914_00005.jpg



Looking east at one of several rodent holes on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	4.06	Rating **	M	Issue No.	273
LM End	4.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.769238 °	36.769238 °
				-120.228588 °	-120.228588 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36849
 DS_ID:19964
 EP_NO: N/A
 FS_HLM: 4.05
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Unable to confirm crossing alignment and appurtenances associated with this crossing. Multiple stand pipes visible on landward side. Need to contact owner to determine status of crossing and alignment.
 FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee 12.5 feet below the crown. Concrete riser unit with slide gate on the waterward slope. Screw gate on landward shoulder. Pump on landward side. Rehabilitation of crossing under Permit No. 13085 (1981).
 FS Date: 04/08/2014

LM Start	4.06	Rating **	M	Issue No.	273 (cont)
LM End	4.06	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4353.jpg



Overview of levee at crossing.

Photo 2 of 3 : UCIP_FA_2015_4354.jpg



Slide gate inside concrete box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	4.06	Rating **	M	Issue No.	273 (cont)
LM End	4.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.769238 °	36.769238 °
				-120.228588 °	-120.228588 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36849					
DS_ID:19964					
EP_NO: N/A					
FS_HLM: 4.05					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4355.jpg



View of waterwar side.

LM Start	4.50	Rating **	M	Issue No.	268
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.775118 °	36.775466 °
				-120.231114 °	-120.231202 °
DWR ID	DWR_NA0010_24_s_2015_268				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control Johnson Grass on landward toe and berm.					

Photo 1 of 2 : FA_2015_NA0010_140_268_20151014_00011.jpg



Looking south at Johnson Grass at landward toe and berm. Fall 2015

LM Start	4.50	Rating **	M	Issue No.	268 (cont)
LM End	4.52	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0010_140_268_20150914_00010.jpg



Looking south at Johnson Grass at landward toe and berm. Spring 2015

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	5.39	Rating **	A/W	Issue No.	2
LM End	6.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.782337 °	36.789063
				-120.222930 °	-120.207438
DWR ID	DWR_NA0010_24_s _ 2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.40	Rating **	M	Issue No.	266
LM End	5.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.782405 °	36.782405 °
				-120.222763 °	-120.222763 °
DWR ID	DWR_NA0010_24_s _ 2015_266				
Action/Comments					
Material					
Inspector Comments: Rocks stockpile near waterward toe.					

Photo 1 of 2 : FA_2015_NA0010_140_266_20151014_00012.jpg



Looking at rock stockpile on waterward berm. Fall 2015

LM Start	5.40	Rating **	M	Issue No.	266 (cont)
LM End	5.40	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2015_NA0010_140_266_20150914_00009.jpg



Looking north at rock pile on waterward berm.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	6.33	Rating **	A/W	Issue No.	3
LM End	6.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.788155 °	36.788155 °
				-120.209655 °	-120.209655 °
DWR ID	DWR_NA0010_24_s_2012_3				
Action/Comments					
Prunings					
Inspector Comments: Large pruning pile in channel.					

LM Start	6.33	Rating **	A/W	Issue No.	3 (cont)
LM End	6.33	Issue Type +	Ma	Location *	WS

LM Start	6.33	Rating **	A/W	Issue No.	3 (cont)
LM End	6.33	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA_2015_NA0010_140_3_20151014_00013.jpg



Looking at burned pruning piles on waterward berm. Fall 2015

Photo 2 of 4 : FA_2015_NA0010_140_3_20150914_00001.jpg



Looking northeast at pruning pile on waterward berm. (Spring 2015)

Photo 3 of 4 : FA_2015_NA0010_140_3_20150914_00002.jpg



Looking north at large pruning pile in channel. (Spring 2014)

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	6.33	Rating **	A/W	Issue No.	3 (cont)	
LM End	6.33	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.788155 °		36.788155 °
				-120.209655 °		-120.209655 °
DWR ID	DWR_NA0010_24_s_2012_3					
Action/Comments						
Prunings						
Inspector Comments: Large pruning pile in channel.						

Photo 4 of 4 : FA_2015_NA0010_140_3_20150914_00003.jpg



Looking south at large pruning pile in channel. (Spring 2013)

LM Start	6.72	Rating **	U	Issue No.	15
LM End	6.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.786678 °	36.783993 °
				-120.204741 °	-120.203779 °
DWR ID	DWR_NA0010_24_f_2015_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation on landward slope					

Photo 1 of 1 : FA_2015_NA0010_140_15_20151014_00014.jpg



Looking at dense vegetation on landward slope.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	6.72	Rating **	U	Issue No.	274
LM End	6.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.786632 °	36.786632 °
				-120.204733 °	-120.204733 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42933
 DS_ID:19957
 EP_NO: N/A
 FS_HLM: 6.72
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Unauthorized PVC pipe through existng crossing.
 PVC distorted inside--Need to contact owner to correct issue. If crossing was allowed need to contact owner for permit number issue for crossing variance.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 3.6 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end.
 FS Date: 04/08/2014

LM Start	6.72	Rating **	U	Issue No.	274 (cont)
LM End	6.72	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3597.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2015_3598.jpg



Flap gate visible on waterward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	6.72	Rating **	U	Issue No.	274 (cont)
LM End	6.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.786632 °	36.786632 °
				-120.204733 °	-120.204733 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42933					
DS_ID:19957					
EP_NO: N/A					
FS_HLM: 6.72					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3599.jpg



View of waterward side--debris (pipe sections) located on waterward side.

LM Start	7.34	Rating **	M	Issue No.	14
LM End	7.34	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.779377 °	36.779377 °
				-120.198956 °	-120.198956 °
DWR ID	DWR_NA0010_24_f_2015_14				
Action/Comments					
Fence					
Inspector Comments: Repair gate.					

Photo 1 of 1 : FA_2015_NA0010_140_14_20151014_00015.jpg



Looking at gate at LM 7.34

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	10/07/2015 10/07/2015	Richard Willoughby

LM Start	8.33	Rating **	M	Issue No.	275
LM End	8.33	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778084 °	36.778084 °
				-120.184454 °	-120.184454 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33272					
DS_ID:19960					
EP_NO: N/A					
FS_HLM: 8.32					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Barbed wire along levee shoulder--no access. Need to confirm crossing size and condition of crossing.					
FIELD_STRUCT_DESC: 12-inch concrete pipe through the levee, 3.0 feet below the crown. Concrete headwall on the waterward end. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.32).					
FS Date: 04/08/2014					

LM Start	8.33	Rating **	M	Issue No.	275 (cont)
LM End	8.33	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2015_3716.jpg



View of landward side.

Photo 2 of 2 : UCIP_FA_2015_3717.jpg



View of waterward side.

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

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 25 Salt Slough			Right	2.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/22/2015 - 05/22/2015		10/09/2015 - 10/09/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	7
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296261 °	37.271165 °
				-120.880678 °	-120.866629 °
DWR ID	DWR_NA0010_25_f _ 2015_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_141_7_20151014_00003.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	9
LM End	2.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296261 °	37.271165 °
				-120.880678 °	-120.866629 °
DWR ID	DWR_NA0010_25_f_2015_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0010_141_9_20151014_00002.jpg



Looking at typical view of waterward slope.

LM Start	0.01	Rating **	M	Issue No.	8
LM End	2.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.296117 °	37.271193 °
				-120.880724 °	-120.866633 °
DWR ID	DWR_NA0010_25_s_2012_8				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control weeds on levee crown.					

Photo 1 of 1 : FA_2015_NA0010_141_8_20150914_00001.jpg



Looking north at growth on levee crown.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	10
LM End	0.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296038 °	37.296038 °
				-120.880742 °	-120.880742 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39501 DS_ID:19965 EP_NO: N/A FS_HLM: 0 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.02). FS Date: 05/01/2014					

LM Start	0.02	Rating **	M	Issue No.	10 (cont)
LM End	0.02	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_4356.jpg



Pipe daylight visible on waterward toe.

Photo 2 of 3 : UCIP_FA_2015_4357.jpg



View of landward side--dense vegetation on landward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	10 (cont)
LM End	0.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296038 °	37.296038 °
				-120.880742 °	-120.880742 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39501 DS_ID:19965 EP_NO: N/A FS_HLM: 0 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4358.jpg



View of waterward side--dense vegetation on waterward side.

LM Start	0.36	Rating **	M	Issue No.	11
LM End	0.36	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291173 °	37.291173 °
				-120.880731 °	-120.880731 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36851 DS_ID:19966 EP_NO: N/A FS_HLM: 0.34 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.6 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.35). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_4959.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.36	Rating **	M	Issue No.	11 (cont)
LM End	0.36	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291173 °	37.291173 °
				-120.880731 °	-120.880731 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36851
 DS_ID:19966
 EP_NO: N/A
 FS_HLM: 0.34
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.6 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.35).
 FS Date: 05/01/2014

LM Start	0.36	Rating **	M	Issue No.	11 (cont)
LM End	0.36	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4960.jpg



Pipe outlet visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_4961.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.59	Rating **	M	Issue No.	12
LM End	0.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36852					
DS_ID:19967					
EP_NO: N/A					
FS_HLM: 0.58					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_3208.jpg



Pipe and flap gate visible on waterward side.

LM Start	0.59	Rating **	M	Issue No.	12 (cont)
LM End	0.59	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4962.jpg



Overview of waterward side--Salt Slough.

* 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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.59	Rating **	M	Issue No.	12 (cont)
LM End	0.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36852					
DS_ID:19967					
EP_NO: N/A					
FS_HLM: 0.58					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4963.jpg



View of waterward slope covered by dense vegetation.

LM Start	0.97	Rating **	M	Issue No.	13
LM End	0.97	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.282252 °	37.282252
				-120.880738 °	-120.880738
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36853 DS_ID:19968 EP_NO: N/A FS_HLM: 0.963 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.4 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.97). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_3209.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	0.97	Rating **	M	Issue No.	13 (cont)
LM End	0.97	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.282252 °	37.282252 °
				-120.880738 °	-120.880738 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:36853
 DS_ID:19968
 EP_NO: N/A
 FS_HLM: 0.963
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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.
 FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.4 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.97).
 FS Date: 05/01/2014

LM Start	0.97	Rating **	M	Issue No.	13 (cont)
LM End	0.97	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4973.jpg



Pipe and evidence of flap gate visible on waterward side.

Photo 3 of 3 : UCIP_FA_2015_4974.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	14
LM End	2.05	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.277390 °	37.277390 °
				-120.867184 °	-120.867184 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36854					
DS_ID:19969					
EP_NO: N/A					
FS_HLM: 2.03					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4975.jpg



View of landward side.

LM Start	2.05	Rating **	M	Issue No.	14 (cont)
LM End	2.05	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_4976.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	14 (cont)
LM End	2.05	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.277390 °	37.277390 °
				-120.867184 °	-120.867184 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36854					
DS_ID:19969					
EP_NO: N/A					
FS_HLM: 2.03					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_4977.jpg



Flap gate and concrete headwall located on waterward toe.

LM Start	2.45	Rating **	M	Issue No.	15
LM End	2.45	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271599 °	37.271599 °
				-120.866819 °	-120.866819 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39502 DS_ID:19970 EP_NO: N/A FS_HLM: 2.44 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.45). FS Date: 05/01/2014					

Photo 1 of 3 : UCIP_FA_2015_5116.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 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	10/09/2015 10/09/2015	Richard Willoughby

LM Start	2.45	Rating **	M	Issue No.	15 (cont)
LM End	2.45	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271599 °	37.271599 °
				-120.866819 °	-120.866819 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39502 DS_ID:19970 EP_NO: N/A FS_HLM: 2.44 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.45). FS Date: 05/01/2014					

LM Start	2.45	Rating **	M	Issue No.	15 (cont)
LM End	2.45	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_5117.jpg



Pipe daylights at waterward toe.

Photo 3 of 3 : UCIP_FA_2015_5118.jpg



View of waterward side.

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