

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

<b>NA0010</b>	Overall LMA Rating	Total LMA Miles						
<b>Lower San Joaquin Levee District</b>	<b>U</b>	<b>191.11</b>						
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	58.64	1.91	66.28	34.68%				
Trim / Thin Trees	0.03		0.03	0.02%				
Encroachments	1.83		1.83	0.96%	1.82			
Animal Control	2.70		2.70	1.41%				
Slope Stability	1.08		1.08	0.57%				
Erosion / Bank Caving	0.13	0.01	0.17	0.09%				
Crown Surface / Depressions / Rutting	10.46		10.46	5.47%				
<i>Interior Drainage &amp; Piping Systems</i>								
Erosion Areas		0.01	0.04	0.02%				
<i>Rivers, Channels &amp; Designated Floodways</i>								
Encroachments						0.01		
<i>Supplemental</i>								
DWR UCIP Field Study					2.78	0.17		
<b>LMA Totals:</b>	<b>74.87</b>	<b>1.93</b>	<b>82.59</b>	<b>43.21%</b>	<b>4.60</b>	<b>0.18</b>	<b>0.00</b>	<b>0.00</b>

<b>Unit No. 01 San Joaquin River RB</b>	Overall Unit Rating	Total Unit Miles						
<b>NA0010</b>	<b>M</b>	<b>22.52</b>						
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	0.88		0.88	3.91%				
Trim / Thin Trees	0.01		0.01	0.04%				
Encroachments	1.79		1.79	7.95%	0.55			
Animal Control	0.22		0.22	0.98%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.67	0.04		
<b>Unit Totals:</b>	<b>2.90</b>	<b>0.00</b>	<b>2.90</b>	<b>12.88%</b>	<b>1.22</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>

<b>Unit No. 02A San Joaquin River LB</b>	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.					
<b>NA0010</b>	<b>M *</b>	<b>7.87</b>						
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			
Erosion / Bank Caving		0.01	0.04	0.51%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.31			
<b>Unit Totals:</b>	<b>0.00</b>	<b>0.01</b>	<b>0.04</b>	<b>0.51% *</b>	<b>0.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

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Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**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	<b>A</b>	<b>5.92</b>							
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>									
Trim / Thin Trees	0.01		0.01	0.17%					
Encroachments	0.01		0.01	0.17%					
<i>Unit Totals:</i>	0.02	0.00	0.02	0.34%	0.00	0.00	0.00	0.00	

Unit No. 03 San Joaquin River RB	Overall Unit Rating	Total Unit Miles							
NA0010	<b>U</b>	<b>2.10</b>							
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	1.69		1.69	80.66%					
Encroachments	0.01		0.01	0.48%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	1.70	0.00	1.70	81.14%	0.03	0.00	0.00	0.00	

Unit No. 04 San Joaquin River LB	Overall Unit Rating	Total Unit Miles							
NA0010	<b>A</b>	<b>1.41</b>							
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					1.18				
<i>Supplemental</i>									
DWR UCIP Field Study					0.06				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.24	0.00	0.00	0.00	

Unit No. 05 East Side Bypass RB	Overall Unit Rating	Total Unit Miles							
NA0010	<b>A</b>	<b>34.85</b>							
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	0.03%	0.03				
Animal Control	0.05		0.05	0.14%					
Erosion / Bank Caving	0.12		0.12	0.34%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.61	0.03			
<i>Unit Totals:</i>	0.18	0.00	0.18	0.52%	0.64	0.03	0.00	0.00	

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Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**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	36.31						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	2.34	1.91	9.98	27.49%					
Trim / Thin Trees	0.01		0.01	0.03%					
Encroachments					0.01				
Animal Control	0.57		0.57	1.57%					
Slope Stability	0.74		0.74	2.04%					
Crown Surface / Depressions / Rutting	1.22		1.22	3.36%					
Interior Drainage & Piping Systems									
Erosion Areas		0.01	0.04	0.11%					
Supplemental									
DWR UCIP Field Study					0.47	0.01			
Unit Totals:	4.88	1.92	12.56	34.59%	0.48	0.01	0.00	0.00	

Unit No. 07 Bear Creek Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		A	3.62						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Animal Control	0.05		0.05	1.38%					
Slope Stability	0.01		0.01	0.28%					
Supplemental									
DWR UCIP Field Study					0.04				
Unit Totals:	0.06	0.00	0.06	1.66%	0.04	0.00	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	
Earthen Levee									
Animal Control	0.22		0.22	6.06%					
Supplemental									
DWR UCIP Field Study					0.07				
Unit Totals:	0.22	0.00	0.22	6.06%	0.07	0.00	0.00	0.00	

Unit No. 09 Owens Creek Bypass RB		Overall Unit Rating	Total Unit Miles						
NA0010		A	0.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Supplemental									
DWR UCIP Field Study					0.02				
Unit Totals:	0.00	0.00	0.00	0.00%	0.02	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**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	<b>A</b>	<b>0.80</b>							
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					0.01				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00	

Unit No. 11 Mariposa Bypass RB	Overall Unit Rating	Total Unit Miles							
NA0010	<b>A</b>	<b>3.31</b>							
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	<b>A</b>	<b>3.33</b>							
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	0.01			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.30%	0.07	0.01	0.00	0.00	

Unit No. 13 Ash Slough RB	Overall Unit Rating	Total Unit Miles							
NA0010	<b>U</b>	<b>1.27</b>							
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				
Animal Control	0.01		0.01	0.79%					
Crown Surface / Depressions / Rutting	0.95		0.95	74.99%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.02				
<i>Unit Totals:</i>	0.96	0.00	0.96	75.78%	0.03	0.00	0.00	0.00	

Unit No. 14 Ash Slough LB	Overall Unit Rating	Total Unit Miles							
NA0010	<b>A</b>	<b>1.28</b>							
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					0.01				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00	



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Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin (cont.)**

<b>Unit No. 15 Berenda Slough RB</b>	Overall Unit Rating	Total Unit Miles						
NA0010	<b>A</b>	<b>2.03</b>						
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

<b>Unit No. 16 Berenda Slough LB</b>	Overall Unit Rating	Total Unit Miles						
NA0010	<b>A</b>	<b>1.96</b>						
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		0.02	1.02%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.02	0.00	0.02	1.02%	0.01	0.00	0.00	0.00

<b>Unit No. 17 Chowchilla Canal Bypass RB</b>	Overall Unit Rating	Total Unit Miles						
NA0010	<b>U</b>	<b>16.09</b>						
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	32.18		32.18	199.99%				
Animal Control	0.99		0.99	6.15%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.01		
<i>Unit Totals:</i>	33.17	0.00	33.17	206.14%	0.04	0.01	0.00	0.00

<b>Unit No. 18 Chowchilla Canal Bypass LB</b>	Overall Unit Rating	Total Unit Miles						
NA0010	<b>U</b>	<b>15.35</b>						
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	4.33		4.33	28.21%				
Encroachments					0.01			
Animal Control	0.02		0.02	0.13%				
Crown Surface / Depressions / Rutting	1.57		1.57	10.23%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.01		
<i>Unit Totals:</i>	5.92	0.00	5.92	38.56%	0.04	0.01	0.00	0.00

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Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin (cont.)**

Unit No. 22A East Side Canal LB		Overall Unit Rating	Total Unit Miles						
NA0010		<b>A</b>	<b>5.51</b>						
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	0.18%					
Encroachments					0.01				
Animal Control	0.30		0.30	5.45%					
Slope Stability	0.02		0.02	0.36%					
Erosion / Bank Caving	0.01		0.01	0.18%					
<i>Rivers, Channels &amp; Designated Floodways</i>									
Encroachments						0.01			
<i>Supplemental</i>									
DWR UCIP Field Study					0.03	0.01			
<i>Unit Totals:</i>	0.34	0.00	0.34	6.18%	0.04	0.02	0.00	0.00	

Unit No. 23 San Joaquin River RB		Overall Unit Rating	Total Unit Miles						
NA0010		<b>U</b>	<b>10.24</b>						
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	17.21		17.21	168.04%					
Animal Control	0.21		0.21	2.05%					
Slope Stability	0.30		0.30	2.93%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.07	0.04			
<i>Unit Totals:</i>	17.72	0.00	17.72	173.01%	0.07	0.04	0.00	0.00	

Unit No. 24 San Joaquin River LB		Overall Unit Rating	Total Unit Miles						
NA0010		<b>U</b>	<b>8.36</b>						
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	0.12%	0.01				
Animal Control	0.02		0.02	0.24%					
Slope Stability	0.01		0.01	0.12%					
Crown Surface / Depressions / Rutting	6.72		6.72	80.41%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.06	0.01			
<i>Unit Totals:</i>	6.76	0.00	6.76	80.89%	0.07	0.01	0.00	0.00	

Unit No. 25 Salt Slough RB		Overall Unit Rating	Total Unit Miles						
NA0010		<b>A</b>	<b>2.49</b>						
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					0.06				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.06	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 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 2014 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)			<b>M</b>	
Date of Inspection	05/12/2014 - 05/16/2014		11/03/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>23</b>
LM End	<b>0.00</b>	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	<b>0.00</b>	Rating **	A	Issue No.	<b>24</b>
LM End	<b>0.00</b>	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 an adequate supplies and equipment for flood response.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>25</b>
LM End	<b>0.00</b>	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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	18
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	DWR_NA0010_01_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:39091					
EP_NO: N/A					
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: 4/8/2014 7:34:00 AM					

No Photos

LM Start	0.07	Rating **	A/W	Issue No.	4
LM End	0.15	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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	0.07	Rating **	A/W	Issue No.	3
LM End	2.52	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

LM Start	0.07	Rating **	M	Issue No.	98
LM End	0.07	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.					

Photo 1 of 2 : FA\_2014\_NA0010\_118\_98\_20141110\_00022.jpg



Looking north at tree limbs on waterward toe.

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0010\_118\_98\_20141110\_00021.jpg



Looking southwest at tree limbs on waterwater toe.

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	0.16	Rating **	M	Issue No.	7
LM End	0.16	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	0.21	Rating **	M	Issue No.	99
LM End	0.21	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.					

Photo 1 of 1 : FA\_2014\_NA0010\_118\_99\_20141110\_00023.jpg



Looking south at tree limbs on landward slope and toe.

LM Start	0.24	Rating **	M	Issue No.	1
LM End	0.41	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\_2014\_NA0010\_118\_1\_20141103\_00001.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                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	0.35	Rating **	M	Issue No.	19
LM End	0.35	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	DWR_NA0010_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:39092					
EP_NO: N/A					
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: 4/8/2014					

No Photos

LM Start	0.62	Rating **	M	Issue No.	21
LM End	0.62	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	DWR_NA0010_01_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:39095					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Recommend removing vegetation pile from waterward toe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.5 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 0.62).					
FS Date: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	0.94	Rating **	M	Issue No.	26
LM End	0.94	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	DWR_NA0010_01_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:39096 EP_NO: N/A 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: 4/8/2014					

No Photos

LM Start	1.47	Rating **	M	Issue No.	31
LM End	1.47	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	DWR_NA0010_01_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:39099					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup inside pipe at LS toe.					
Recommend contacting owner to clear sediment buildup and check wall integrity through pipe section.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 11.0 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 1.48).					
FS Date: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	1.69	Rating **	M	Issue No.	32
LM End	1.69	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	DWR_NA0010_01_f_2014_32				
Action/Comments					
Inspector Comments: FS_ID:33563					
EP_NO: N/A					
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: 4/8/2014					

No Photos

LM Start	1.97	Rating **	M	Issue No.	33
LM End	1.97	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	DWR_NA0010_01_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:39100					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine crossing status.					
Inlet drop box silted in and needs to be cleaned out.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain 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).					
Wooden barrier around drop inlet on LS toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.98).					
FS Date: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	2.08	Rating **	M	Issue No.	34
LM End	2.08	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	DWR_NA0010_01_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:39123					
EP_NO: N/A					
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: 4/8/2014					

No Photos

LM Start	2.69	Rating **	M	Issue No.	35
LM End	2.69	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	DWR_NA0010_01_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:39127					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sedimentation in pipe at landward toe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the					
levee, 7.3 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 2.70).					
FS Date: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	3.16	Rating **	M	Issue No.	36
LM End	3.16	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	DWR_NA0010_01_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:39128					
EP_NO: N/A					
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: 4/8/2014					

No Photos

LM Start	3.18	Rating **	M	Issue No.	10
LM End	3.18	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.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	3.49	Rating **	U	Issue No.	37
LM End	3.49	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	DWR_NA0010_01_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:39130					
EP_NO: N/A					
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: 4/8/2014					

No Photos

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

LM Start	3.72	Rating **	M	Issue No.	2
LM End	3.74	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	3.95	Rating **	M	Issue No.	38
LM End	3.95	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	DWR_NA0010_01_f_2014_38				
Action/Comments					
Inspector Comments: FS_ID:39132					
EP_NO: N/A					
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: 4/8/2014					

No Photos

LM Start	3.96	Rating **	M	Issue No.	39
LM End	3.96	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	DWR_NA0010_01_f_2014_39				
Action/Comments					
Inspector Comments: FS_ID:39133					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing inlet and outlet not found.					
FIELD_STRUCT_DESC: 12-inch concrete irrigation pipe through the levee, 3.5 feet below the crown. 12-inch Concrete standpipes off both sides of levee.					
FS Date: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	4.00	Rating **	M	Issue No.	5
LM End	4.08	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\_2014\_NA0010\_118\_5\_20141103\_00002.jpg



Looking north at irrigation ditch at landside toe.

LM Start	<b>4.00</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>4.08</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_118\_5\_20141103\_00003.jpg



Looking south at irrigation ditch at landside toe.

LM Start	4.16	Rating **	M	Issue No.	40
LM End	4.16	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	DWR_NA0010_01_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:39134					
EP_NO: N/A					
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					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	4.16	Rating **	M	Issue No.	41
LM End	4.16	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	DWR_NA0010_01_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:39138					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to get details of crossing.					
FIELD_STRUCT_DESC: 12-inch steel stormdrain pipe through the					
levee 2.5-feet below the crown. 12-inch steel pipe, vent, and pump on					
stand visible on LS slope. 10-inch PVC pipe visible on WS slope.					
FS Date: 4/8/2014					

No Photos

LM Start	4.16	Rating **	M	Issue No.	100
LM End	4.16	Issue Type +	Ma	Location *	N/A
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\_2014\_NA0010\_118\_100\_20141110\_00024.jpg



Looking east at old pvc pipes on landward slope.

LM Start	4.20	Rating **	M	Issue No.	6
LM End	4.20	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.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	4.27	Rating **	M	Issue No.	42
LM End	4.27	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	DWR_NA0010_01_f_2014_42				
Action/Comments					
Inspector Comments: FS_ID:39140					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation and fence limits the inspector's					
visibility to identify signs of pipe failure (leaks) along the landward side.					
Recommend obtaining access to landward toe and removing vegetation					
along pipe alignment to conduct proper inspection of structure and					
appurtenances.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the					
levee, 11.9 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 4.27).					
FS Date: 4/8/2014					

No Photos

LM Start	4.72	Rating **	M	Issue No.	43
LM End	4.72	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	DWR_NA0010_01_f _ 2014_43				
Action/Comments					
Inspector Comments: FS_ID:39141					
EP_NO: N/A					
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: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	4.72	Rating **	M	Issue No.	9
LM End	4.72	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.					

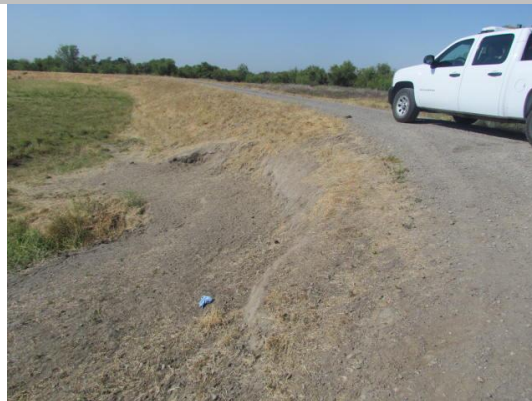
Photo 1 of 2 : FA\_2014\_NA0010\_118\_9\_20141103\_00005.jpg



Looking southeast at erosion on landward toe.

LM Start	<b>4.72</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>4.72</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_118\_9\_20141103\_00006.jpg



Looking south at damage slope by livestock on landward slope.

LM Start	5.05	Rating **	M	Issue No.	44
LM End	5.05	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	DWR_NA0010_01_f_2014_44				
Action/Comments					
Inspector Comments: FS_ID:39143					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Non-functional -- sediment buildup against flapgate and inlet buried at landward side.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	5.75	Rating **	A/W	Issue No.	116
LM End	5.75	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.					

Photo 1 of 3 : FA\_2014\_NA0010\_118\_116\_20141103\_00015.jpg



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

LM Start	<b>5.75</b>	Rating **	A/W	Issue No.	<b>116 (cont)</b>
LM End	<b>5.75</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2014\_NA0010\_118\_116\_20141103\_00016.jpg



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

LM Start	<b>5.75</b>	Rating **	A/W	Issue No.	<b>116 (cont)</b>
LM End	<b>5.75</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2014\_NA0010\_118\_116\_20141103\_00017.jpg



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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	5.95	Rating **	M	Issue No.	45
LM End	5.95	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	DWR_NA0010_01_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:39151					
EP_NO: N/A					
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					

No Photos

LM Start	6.04	Rating **	C	Issue No.	13
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.303715 °	37.303838 °
				-120.902115 °	-120.891912 °
DWR ID	DWR_NA0010_01_s_2012_13				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	6.04	Rating **	A/W	Issue No.	12
LM End	6.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.303717 °	37.303837 °
				-120.902108 °	-120.891907 °
DWR ID	DWR_NA0010_01_s_2012_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

DWR Start	6.13	Rating **	M	Issue No.	46
LM End	6.13	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	DWR_NA0010_01_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:39152 EP_NO: N/A 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: 4/8/2014					

No Photos

LM Start	6.42	Rating **	M	Issue No.	47
LM End	6.42	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	DWR_NA0010_01_f_2014_47				
Action/Comments					
Inspector Comments: FS_ID:39154					
EP_NO: N/A					
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: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	6.65	Rating **	M	Issue No.	48
LM End	6.65	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	DWR_NA0010_01_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:39156					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate blocked by sedimentation at WS toe.					
Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also recommend clearing vegetation from both waterward and landward toe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.8 feet below the crown. Wooden fence around 4'X4' drop inlet on LS toe. 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 6.64).					
FS Date: 4/8/2014					

No Photos

LM Start	6.83	Rating **	C	Issue No.	11
LM End	7.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.302540 °	37.299882 °
				-120.889113 °	-120.880217 °
DWR ID	DWR_NA0010_01_s_2013_11				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	6.90	Rating **	M	Issue No.	49
LM End	6.90	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302098 °	37.302098 °
				-120.887943 °	-120.887943 °
DWR ID	DWR_NA0010_01_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:39157 EP_NO: N/A Repair Type: Non-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: 4/8/2014					

No Photos

LM Start	7.21	Rating **	U	Issue No.	50
LM End	7.21	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID	DWR_NA0010_01_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:39159					
EP_NO: N/A					
Repair Type: 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: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	7.32	Rating **	M	Issue No.	51
LM End	7.32	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299931 °	37.299931 °
				-120.880947 °	-120.880947 °
DWR ID	DWR_NA0010_01_f_2014_51				
Action/Comments					
Inspector Comments: FS_ID:39160 EP_NO: 4425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommend contacting owner to determine status of crossing. No pump was found on waterwaard side (riverbank). If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 13.6 feet below the crown. Pipe encased in 6-inches of concrete through levee. 5'X7' Concrete distribution box on the waterward side. 20-inch concrete standpipe at LS toe. Pump on the riverbank, accessible by walkway platform (Pump not found). Concrete cutoff walls around pipe in line with levee shoulders. Pipe extends to 36-inch concrete pipes on both sides of levee. (Permit No. 4425-1965) FS Date: 4/8/2014					

No Photos

LM Start	7.41	Rating **	A/W	Issue No.	14
LM End	7.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.299855 °	37.298730 °
				-120.879455 °	-120.872387 °
DWR ID	DWR_NA0010_01_s_2012_14				
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	7.46	Rating **	M	Issue No.	52
LM End	7.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID	DWR_NA0010_01_f _ 2014_52				
Action/Comments					
Inspector Comments: FS_ID:39161 EP_NO: N/A 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: 4/8/2014					

No Photos

LM Start	7.69	Rating **	M	Issue No.	53
LM End	7.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299211 °	37.299211 °
				-120.874415 °	-120.874415 °
DWR ID	DWR_NA0010_01_f _ 2014_53				
Action/Comments					
Inspector Comments: FS_ID:39243 EP_NO: N/A 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. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.69). FS Date: 4/8/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	8.07	Rating **	M	Issue No.	54
LM End	8.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID	DWR_NA0010_01_f _ 2014_54				
Action/Comments					
Inspector Comments: FS_ID:39244					
EP_NO: N/A					
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: 4/9/2014					

No Photos

LM Start	8.42	Rating **	M	Issue No.	55
LM End	8.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID	DWR_NA0010_01_f _ 2014_55				
Action/Comments					
Inspector Comments: FS_ID:39245 EP_NO: N/A 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 at landward toe. 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. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.41). FS Date: 4/9/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	8.53	Rating **	A/W	Issue No.	16
LM End	9.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296267 °	37.297492 °
				-120.860195 °	-120.851050 °
DWR ID	DWR_NA0010_01_s_2012_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	8.53	Rating **	A/W	Issue No.	15
LM End	9.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296262 °	37.297492 °
				-120.860183 °	-120.851052 °
DWR ID	DWR_NA0010_01_s_2012_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	8.94	Rating **	M	Issue No.	56
LM End	8.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID	DWR_NA0010_01_f _ 2014_56				
Action/Comments					
Inspector Comments: FS_ID:39247 EP_NO: N/A 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: 4/9/2014					

No Photos

LM Start	9.01	Rating **	U	Issue No.	57
LM End	9.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297423 °	37.297423 °
				-120.851575 °	-120.851575 °
DWR ID	DWR_NA0010_01_f _ 2014_57				
Action/Comments					
Inspector Comments: FS_ID:39248					
EP_NO: 12156					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate rusted through and open on WS toe. Inlet appears to be obscured or covered in soil at LS toe. Also dense vegetation on waterward and landward sides. Need to contact owner to contact CVFPB to address issue.					
FIELD_STRUCT_DESC: 30-inch concrete drainpipe through the levee, 7.3 feet below the crown. Encasing 26-inch steel pipe through entire section, annular gap grouted. Concrete wingwalls on each side of pipe. Slide gate on discharge end with elevated walkway access. Two concrete cutoff walls in center of levee. Concrete headwall (6-inch thick) on discharge end of pipe. (Permit No. 12156-1978)					
FS Date: 4/9/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	9.01	Rating **	M	Issue No.	58
LM End	9.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297425 °	37.297425 °
				-120.851522 °	-120.851522 °
DWR ID	DWR_NA0010_01_f _ 2014_58				
Action/Comments					
Inspector Comments: FS_ID:39249 EP_NO: N/A 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: 4/9/2014					

No Photos

LM Start	9.03	Rating **	M	Issue No.	59
LM End	9.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297488 °	37.297488 °
				-120.851157 °	-120.851157 °
DWR ID	DWR_NA0010_01_f _ 2014_59				
Action/Comments					
Inspector Comments: FS_ID:39250 EP_NO: N/A 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, 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 9.03). FS Date: 4/9/2014					

No Photos

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

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

Page 27 of 54



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	9.38	Rating **	M	Issue No.	60
LM End	9.38	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	DWR_NA0010_01_f_2014_60				
Action/Comments					
Inspector Comments: FS_ID:39251					
EP_NO: N/A					
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					

No Photos

LM Start	10.24	Rating **	M	Issue No.	61
LM End	10.24	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	DWR_NA0010_01_f_2014_61				
Action/Comments					
Inspector Comments: FS_ID:39253					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation blocks waterward and landward toes Recommend removing vegetation from both toes. Also sediment buildup in pipe visible from landward side.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 69 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.23).					
FS Date: 4/9/2014					

No Photos

LM Start	10.88	Rating **	C	Issue No.	28
LM End	11.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.283153 °	37.278878 °
				-120.830870 °	-120.824165 °
DWR ID	DWR_NA0010_01_s_2013_28				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	11.03	Rating **	M	Issue No.	62
LM End	11.03	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	DWR_NA0010_01_f_2014_62				
Action/Comments					
Inspector Comments: FS_ID:39255					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation blocks landward headwall.					
Recommend removing excess vegetation on landward toe.					

No Photos

LM Start	11.49	Rating **	M	Issue No.	63
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	DWR_NA0010_01_f _ 2014_63				
Action/Comments					
Inspector Comments: FS_ID:36103					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner--landward side has been buried. It appears that soil was removed from levee toe, immediately upstream, and used to pile soil at landward side at crossing.					
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. 62 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.48).					
FS Date: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	11.78	Rating **	M	Issue No.	64
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	DWR_NA0010_01_f_2014_64				
Action/Comments					
Inspector Comments: FS_ID:36105					
EP_NO: N/A					
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: 4/25/2014					

No Photos

LM Start	12.12	Rating **	M	Issue No.	65
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	DWR_NA0010_01_f _ 2014_65				
Action/Comments					
Inspector Comments: FS_ID:36106					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing is non-functional --landward side is buried.					
Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
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. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.11).					
FS Date: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	12.62	Rating **	C	Issue No.	29
LM End	12.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258970 °	37.258970 °
				-120.826388 °	-120.826388 °
DWR ID	DWR_NA0010_01_s_2013_29				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes along fence line on landward slope.					

No Photos

LM Start	12.95	Rating **	M	Issue No.	66
LM End	12.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256873 °	37.256873 °
				-120.821277 °	-120.821277 °
DWR ID	DWR_NA0010_01_f _ 2014_66				
Action/Comments					
Inspector Comments: FS_ID:36146 EP_NO: N/A 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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	13.49	Rating **	M	Issue No.	67
LM End	13.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251590 °	37.251590 °
				-120.814354 °	-120.814354 °
DWR ID	DWR_NA0010_01_f _ 2014_67				
Action/Comments					
Inspector Comments: FS_ID:36109 EP_NO: N/A 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. Concrete headwall blocked by debris located on landward toe. Recommend clearing debris from landward slope and toe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.2 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 13.48). FS Date: 4/25/2014					

No Photos

LM Start	13.59	Rating **	M	Issue No.	68	
LM End	13.59	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.250138 °	37.250138 °	
				-120.814720 °	-120.814720 °	
DWR ID	DWR_NA0010_01_f_2014_68					
Action/Comments						
Inspector Comments: FS_ID:39256						
EP_NO: N/A						
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: 4/25/2014						

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	13.83	Rating **	M	Issue No.	69
LM End	13.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.247568 °	37.247568 °
				-120.817074 °	-120.817074 °
DWR ID	DWR_NA0010_01_f_2014_69				
Action/Comments					
Inspector Comments: FS_ID:36544					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No photos available--missed crossing. Aerial photograph indicates crossing is present. Need to confirm if crossing is still present on waterward side.					
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 13.81).					
FS Date: 4/25/2014					

No Photos

LM Start	14.22	Rating **	M	Issue No.	70
LM End	14.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID	DWR_NA0010_01_f _ 2014_70				
Action/Comments					
Inspector Comments: FS_ID:36166 EP_NO: N/A 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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	14.66	Rating **	M	Issue No.	71
LM End	14.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.237584 °	37.237584 °
				-120.812967 °	-120.812967 °
DWR ID	DWR_NA0010_01_f _ 2014_71				
Action/Comments					
Inspector Comments: FS_ID:36167					
EP_NO: N/A					
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 and toe. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.7 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 14.65).					
FS Date: 4/25/2014					

No Photos

LM Start	15.30	Rating **	M	Issue No.	72
LM End	15.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID	DWR_NA0010_01_f_2014_72				
Action/Comments					
Inspector Comments: FS_ID:36168 EP_NO: N/A 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: 4/25/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	15.58	Rating **	M	Issue No.	73
LM End	15.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.228155 °	37.228155 °
				-120.802645 °	-120.802645 °
DWR ID	DWR_NA0010_01_f _ 2014_73				
Action/Comments					
Inspector Comments: FS_ID:36169 EP_NO: N/A 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. 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. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.57). FS Date: 4/25/2014					

No Photos

LM Start	15.79	Rating **	C	Issue No.	30
LM End	15.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.226470 °	37.226470 °
				-120.799622 °	-120.799622 °
DWR ID	DWR_NA0010_01_s _ 2013_30				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree limb on landward toe.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	15.82	Rating **	M	Issue No.	74
LM End	15.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226099 °	37.226099 °
				-120.799125 °	-120.799125 °
DWR ID	DWR_NA0010_01_f_2014_74				
Action/Comments					
Inspector Comments: FS_ID:36171					
EP_NO: N/A					
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: 4/25/2014					

No Photos

LM Start	16.09	Rating **	M	Issue No.	75
LM End	16.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224157 °	37.224157 °
				-120.795250 °	-120.795250 °
DWR ID	DWR_NA0010_01_f _ 2014_75				
Action/Comments					
Inspector Comments: FS_ID:36172 EP_NO: N/A 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 and appurtenances. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.3 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 16.09). FS Date: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	16.16	Rating **	M	Issue No.	76
LM End	16.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID	DWR_NA0010_01_f_2014_76				
Action/Comments					
Inspector Comments: FS_ID:39257 EP_NO: N/A 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: 4/25/2014					

No Photos

LM Start	16.73	Rating **	M	Issue No.	77
LM End	16.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID	DWR_NA0010_01_f_2014_77				
Action/Comments					
Inspector Comments: FS_ID:39258					
EP_NO: N/A					
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, 11.4 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 16.72).					
FS Date: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	16.73	Rating **	M	Issue No.	78
LM End	16.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID	DWR_NA0010_01_f_2014_78				
Action/Comments					
Inspector Comments: FS_ID:39360					
EP_NO: N/A					
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: 4/25/2014					

No Photos

LM Start	17.02	Rating **	M	Issue No.	79
LM End	17.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID	DWR_NA0010_01_f_2014_79				
Action/Comments					
Inspector Comments: FS_ID:39259					
EP_NO: N/A					
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: 4/25/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	17.20	Rating **	M	Issue No.	80
LM End	17.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219302 °	37.219302 °
				-120.779475 °	-120.779475 °
DWR ID	DWR_NA0010_01_f_2014_80				
Action/Comments					
Inspector Comments: FS_ID:39260					
EP_NO: N/A					
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. Sediment buildup inside pipe visible from landward side. Recommend clearing pipe.					
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 17.19).					
FS Date: 4/25/2014					

No Photos

LM Start	17.26	Rating **	M	Issue No.	81
LM End	17.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.218332 °	37.218332 °
				-120.779459 °	-120.779459 °
DWR ID	DWR_NA0010_01_f _ 2014_81				
Action/Comments					
Inspector Comments: FS_ID:36203					
EP_NO: N/A					
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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	17.53	Rating **	M	Issue No.	82
LM End	17.53	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	DWR_NA0010_01_f _ 2014_82				
Action/Comments					
Inspector Comments: FS_ID:36204					
EP_NO: N/A					
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: 4/25/2014					

No Photos

LM Start	18.19	Rating **	M	Issue No.	83
LM End	18.19	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	DWR_NA0010_01_f_2014_83				
Action/Comments					
Inspector Comments: FS_ID:39261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. 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 18.19). FS Date: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	18.78	Rating **	M	Issue No.	27
LM End	18.78	Issue Type +	Ma	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\_2014\_NA0010\_118\_27\_20141103\_00011.jpg



Looking at prunings on waterward shoulder and slope.

LM Start	18.79	Rating **	M	Issue No.	84
LM End	18.79	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	DWR_NA0010_01_f_ 2014_84				
Action/Comments					
Inspector Comments: FS_ID:36246 EP_NO: N/A 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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	19.18	Rating **	M	Issue No.	85
LM End	19.18	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	DWR_NA0010_01_f_2014_85				
Action/Comments					
Inspector Comments: FS_ID:39263					
EP_NO: N/A					
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: 4/25/2014					

No Photos

LM Start	19.32	Rating **	M	Issue No.	86
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	DWR_NA0010_01_f_2014_86				
Action/Comments					
Inspector Comments: FS_ID:39266					
EP_NO: N/A					
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: 1 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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	19.32	Rating **	M	Issue No.	87
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	DWR_NA0010_01_f_2014_87				
Action/Comments					
Inspector Comments: FS_ID:39267 EP_NO: N/A 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: 4/25/2014					

No Photos

LM Start	19.33	Rating **	M	Issue No.	8
LM End	19.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.200923 °	37.200923 °
				-120.756987 °	-120.756987 °
DWR ID	DWR_NA0010_01_s_2012_8				
Action/Comments					
Pipe					
Inspector Comments: Farmer installed a pipe across levee crown, landside and waterside slopes. Ramp is not according to standards.					

Photo 1 of 1 : FA\_2014\_NA0010\_118\_8\_20141103\_00004.jpg



Looking south at pipe across levee crown.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	19.54	Rating **	M	Issue No.	88
LM End	19.54	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.199427 °	37.199427 °
				-120.760235 °	-120.760235 °
DWR ID	DWR_NA0010_01_f_2014_88				
Action/Comments					
Inspector Comments: FS_ID:39268					
EP_NO: N/A					
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. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side.					
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 19.54).					
FS Date: 4/25/2014					

No Photos

LM Start	19.81	Rating **	M	Issue No.	89
LM End	19.81	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.197502 °	37.197502 °
				-120.764045 °	-120.764045 °
DWR ID	DWR_NA0010_01_f_2014_89				
Action/Comments					
Inspector Comments: FS_ID:36253					
EP_NO: N/A					
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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	20.18	Rating **	M	Issue No.	90
LM End	20.18	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID	DWR_NA0010_01_f_2014_90				
Action/Comments					
Inspector Comments: FS_ID:39269					
EP_NO: N/A					
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: 4/25/2014					

No Photos

LM Start	20.27	Rating **	U	Issue No.	91
LM End	20.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID	DWR_NA0010_01_f_2014_91				
Action/Comments					
Inspector Comments: FS_ID:39270					
EP_NO: N/A					
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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	92
LM End	20.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193550 °	37.193550 °
				-120.760284 °	-120.760284 °
DWR ID	DWR_NA0010_01_f_2014_92				
Action/Comments					
Inspector Comments: FS_ID:39285 EP_NO: N/A 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. FIELD_STRUCT_DESC: 12-inch steel sleeved into a 24-inch steel pipe through levee at an unknown depth. FS Date: 4/25/2014					

No Photos

LM Start	20.27	Rating **	M	Issue No.	93
LM End	20.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID	DWR_NA0010_01_f_2014_93				
Action/Comments					
Inspector Comments: FS_ID:39878					
EP_NO: N/A					
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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	94
LM End	20.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID	DWR_NA0010_01_f_2014_94				
Action/Comments					
Inspector Comments: FS_ID:39286					
EP_NO: N/A					
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.					
FIELD_STRUCT_DESC: 18-inch steel sleeved into a 24-inch steel pipe through levee at an unknown depth.					
FS Date: 4/25/2014					

No Photos

LM Start	20.28	Rating **	M	Issue No.	20
LM End	22.02	Issue Type +	Ma	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\_2014\_NA0010\_118\_20\_20141103\_00007.jpg



Looking east at farmer discing into landside slope.

LM Start	<b>20.28</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>22.02</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_118\_20\_20141103\_00008.jpg



Looking west at farmer discing landside slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	20.70	Rating **	M	Issue No.	101
LM End	21.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.188074 °	37.178114 °
				-120.763419 °	-120.758790 °
DWR ID	DWR_NA0010_01_f_2014_101				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	21.40	Rating **	M	Issue No.	95
LM End	21.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179065 °	37.179065 °
				-120.761567 °	-120.761567 °
DWR ID	DWR_NA0010_01_f _ 2014_95				
Action/Comments					
Inspector Comments: FS_ID:39271					
EP_NO: N/A					
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: 4/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	11/03/2014 11/06/2014	Richard Willoughby

LM Start	21.76	Rating **	M	Issue No.	96
LM End	21.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.176106 °	37.176106 °
				-120.756768 °	-120.756768 °
DWR ID	DWR_NA0010_01_f_2014_96				
Action/Comments					
Inspector Comments: FS_ID:39272 EP_NO: N/A 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: 4/25/2014					

No Photos

LM Start	22.09	Rating **	M	Issue No.	22
LM End	22.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.169962 °	37.166983 °
				-120.754240 °	-120.750127 °
DWR ID	DWR_NA0010_01_s_2012_22				
Action/Comments					
Ditch					

Photo 1 of 2 : FA\_2014\_NA0010\_118\_22\_20141103\_00009.jpg



Looking downstream at irrigation ditch at landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 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)			<b>M</b>	
Date of Inspection	05/16/2014 - 05/16/2014		11/06/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.00	Rating **	C	Issue No.	3
LM End	1.70	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296122 °	37.289429 °
				-120.880723 °	-120.861115 °
DWR ID	DWR_NA0010_02A_s_2012_3				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	0.00	Rating **	A/W	Issue No.	9
LM End	5.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296229 °	37.261893 °
				-120.880732 °	-120.832390 °
DWR ID	DWR_NA0010_02A_s _ 2014_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 2 : FA\_2014\_NA0010\_119\_9\_20141110\_00007.jpg



Looking north at levee crown complies with standards.

Photo 2 of 2 : FA\_2014\_NA0010\_119\_9\_20141103\_00006.jpg



Looking north at vegetation on levee crown.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.24	Rating **	M	Issue No.	4
LM End	0.24	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.293440 °	37.293440 °
				-120.878978 °	-120.878978 °
DWR ID	DWR_NA0010_02A_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:36503					
EP_NO: N/A					
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					

No Photos

LM Start	0.67	Rating **	M	Issue No.	6
LM End	0.67	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288087 °	37.288087 °
				-120.874919 °	-120.874919 °
DWR ID	DWR_NA0010_02A_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:36504 EP_NO: N/A 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: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.77	Rating **	U	Issue No.	5
LM End	0.77	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\_2014\_NA0010\_119\_5\_20141110\_00008.jpg



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

LM Start	<b>0.77</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2014\_NA0010\_119\_5\_20141103\_00004.jpg



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

LM Start	<b>0.77</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2014\_NA0010\_119\_5\_20141103\_00005.jpg



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

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	7
LM End	1.02	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	DWR_NA0010_02A_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:39363					
EP_NO: N/A					
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					

No Photos

LM Start	1.22	Rating **	M	Issue No.	8
LM End	1.22	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	DWR_NA0010_02A_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:36506 EP_NO: N/A 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: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.34	Rating **	M	Issue No.	10
LM End	1.34	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	DWR_NA0010_02A_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:36507 EP_NO: N/A 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, 14.6 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 1.34). FS Date: 5/1/2014					

No Photos

LM Start	1.62	Rating **	M	Issue No.	11
LM End	1.62	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	DWR_NA0010_02A_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:36508 EP_NO: N/A 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: 5/1/2014					

No Photos

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	12
LM End	1.86	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	DWR_NA0010_02A_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:36509 EP_NO: N/A 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, 10.7 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 1.86). FS Date: 5/1/2014					

No Photos

LM Start	2.30	Rating **	M	Issue No.	13
LM End	2.30	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	DWR_NA0010_02A_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:36510 EP_NO: N/A 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: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	2.32	Rating **	M	Issue No.	14
LM End	2.32	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	DWR_NA0010_02A_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:36511					
EP_NO: N/A					
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: 5/1/2014					

No Photos

LM Start	2.33	Rating **	M	Issue No.	2
LM End	2.33	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\_2014\_NA0010\_119\_2\_20141110\_00009.jpg



Looking northeast at unauthorized ramp on landward slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	2.33	Rating **	M	Issue No.	2 (cont)	
LM End	2.33	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 2 of 2 : FA\_2014\_NA0010\_119\_2\_20141110\_00010.jpg



Looking northwest at unauthorized ramp on waterward slope.

LM Start	2.59	Rating **	M	Issue No.	15
LM End	2.59	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	DWR_NA0010_02A_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:36512					
EP_NO: N/A					
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 2.59).					
FS Date: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	2.96	Rating **	M	Issue No.	16
LM End	2.96	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	DWR_NA0010_02A_f _ 2014_16				
Action/Comments					
Inspector Comments: FS_ID:36513 EP_NO: N/A 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: 5/1/2014					

No Photos

LM Start	3.29	Rating **	M	Issue No.	17
LM End	3.29	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	DWR_NA0010_02A_f _ 2014_17				
Action/Comments					
Inspector Comments: FS_ID:36514 EP_NO: N/A 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: 5/1/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	3.62	Rating **	M	Issue No.	18
LM End	3.62	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	DWR_NA0010_02A_f _ 2014_18				
Action/Comments					
Inspector Comments: FS_ID:36515					
EP_NO: N/A					
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 3.62).					
FS Date: 5/1/2014					

No Photos

LM Start	3.96	Rating **	M	Issue No.	19
LM End	3.96	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	DWR_NA0010_02A_f _ 2014_19				
Action/Comments					
Inspector Comments: FS_ID:39364 EP_NO: N/A 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: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	5.29	Rating **	A/W	Issue No.	1
LM End	7.39	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	5.43	Rating **	M	Issue No.	20
LM End	5.43	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	DWR_NA0010_02A_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:36517					
EP_NO: N/A					
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: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	6.06	Rating **	M	Issue No.	21
LM End	6.06	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	DWR_NA0010_02A_f _ 2014_21				
Action/Comments					
Inspector Comments: FS_ID:36518 EP_NO: N/A 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, 7.7 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 6.06). FS Date: 5/1/2014					

No Photos

LM Start	6.49	Rating **	M	Issue No.	22
LM End	6.49	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	DWR_NA0010_02A_f _ 2014_22				
Action/Comments					
Inspector Comments: FS_ID:36519 EP_NO: N/A 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, 7.7 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 6.50). FS Date: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	7.05	Rating **	M	Issue No.	23
LM End	7.05	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	DWR_NA0010_02A_f _ 2014_23				
Action/Comments					
Inspector Comments: FS_ID:39365 EP_NO: N/A 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: 5/1/2014					

No Photos

LM Start	7.77	Rating **	M	Issue No.	24
LM End	7.77	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	DWR_NA0010_02A_f _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:36521 EP_NO: N/A 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: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	8.16	Rating **	M	Issue No.	25
LM End	8.16	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.228343 °	37.228343 °
				-120.808789 °	-120.808789 °
DWR ID	DWR_NA0010_02A_f_2014_25				
Action/Comments					
Inspector Comments: FS_ID:39366 EP_NO: N/A 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: 5/14/2014					

No Photos

LM Start	8.49	Rating **	M	Issue No.	26
LM End	8.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.225241 °	37.225241 °
				-120.804286 °	-120.804286 °
DWR ID	DWR_NA0010_02A_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:39367					
EP_NO: N/A					
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: 5/14/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	8.86	Rating **	M	Issue No.	27
LM End	8.86	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222707 °	37.222707 °
				-120.798705 °	-120.798705 °
DWR ID	DWR_NA0010_02A_f _ 2014_27				
Action/Comments					
Inspector Comments: FS_ID:39368					
EP_NO: N/A					
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. Burrow activity presen on waterward slope.					
FIELD_STRUCT_DESC: 24-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 8.86).					
FS Date: 5/14/2014					

No Photos

LM Start	9.03	Rating **	M	Issue No.	28
LM End	9.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220888 °	37.220888 °
				-120.796394 °	-120.796394 °
DWR ID	DWR_NA0010_02A_f _ 2014_28				
Action/Comments					
Inspector Comments: FS_ID:36525 EP_NO: N/A 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: 5/14/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	9.20	Rating **	M	Issue No.	29
LM End	9.20	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220520 °	37.220520 °
				-120.793277 °	-120.793277 °
DWR ID	DWR_NA0010_02A_f _ 2014_29				
Action/Comments					
Inspector Comments: FS_ID:40443 EP_NO: N/A 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. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.20). FS Date: 5/14/2014					

No Photos

LM Start	9.46	Rating **	M	Issue No.	30
LM End	9.46	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220227 °	37.220227 °
				-120.788634 °	-120.788634 °
DWR ID	DWR_NA0010_02A_f _ 2014_30				
Action/Comments					
Inspector Comments: FS_ID:36527					
EP_NO: N/A					
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: 5/14/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	10.13	Rating **	M	Issue No.	31
LM End	10.13	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.214229 °	37.214229 °
				-120.784350 °	-120.784350 °
DWR ID	DWR_NA0010_02A_f _ 2014_31				
Action/Comments					
Inspector Comments: FS_ID:36528					
EP_NO: N/A					
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: 5/14/2014					

No Photos

LM Start	10.81	Rating **	M	Issue No.	32
LM End	10.81	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.206352 °	37.206352 °
				-120.776344 °	-120.776344 °
DWR ID	DWR_NA0010_02A_f _ 2014_32				
Action/Comments					
Inspector Comments: FS_ID:39369					
EP_NO: N/A					
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 visible on landward side--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Slide 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 10.81).					
FS Date: 5/14/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	11.17	Rating **	M	Issue No.	33
LM End	11.17	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.204640 °	37.204640 °
				-120.771564 °	-120.771564 °
DWR ID	DWR_NA0010_02A_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:36530 EP_NO: N/A 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: 5/14/2014					

No Photos

LM Start	11.43	Rating **	M	Issue No.	34
LM End	11.43	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201792 °	37.201792 °
				-120.768462 °	-120.768462 °
DWR ID	DWR_NA0010_02A_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:36531					
EP_NO: N/A					
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 side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.43).					
FS Date: 5/14/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	11/06/2014 11/06/2014	Richard Willoughby

LM Start	13.22	Rating **	M	Issue No.	35
LM End	13.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID	DWR_NA0010_02A_f _ 2014_35				
Action/Comments					
Inspector Comments: FS_ID:39370					
EP_NO: N/A					
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: 5/14/2014					

No Photos

LM Start	13.71	Rating **	M	Issue No.	36
LM End	13.71	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.173327 °	37.173327 °
				-120.761055 °	-120.761055 °
DWR ID	DWR_NA0010_02A_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:39891 EP_NO: 14138 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: 5/14/2014					

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**

**Unit Cover Sheet**

**Fall 2014 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	05/16/2014 - 05/16/2014		11/06/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/06/2014 11/06/2014	Richard Willoughby

LM Start	7.87	Rating **	A/W	Issue No.	3
LM End	13.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231279 °	37.176608 °
				-120.811852 °	-120.762619 °
DWR ID	DWR_NA0010_02B_f_2014_3				
Action/Comments					
Keep the crown roadway free of vegetation. Inspector Comments: Control vegetation growth on levee crown.					

Photo 1 of 2 : FA\_2014\_NA0010\_120\_3\_20141110\_00007.jpg



Looking north at levee crown complies with standards. (Fall 2014)

Photo 2 of 2 : FA\_2014\_NA0010\_120\_3\_20141103\_00001.jpg



Looking north at vegetation on levee crown. (Spring 2014)

LM Start	<b>7.87</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>13.45</b>	Issue Type +	Ma	Location *	LS

LM Start	9.46	Rating **	M	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

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

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

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

## Lower San Joaquin Levee District

No Photos

Looking north at wildroses on landward slope.

Looking southwest at tree limb on waterward slope.

Page 2 of 4

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/06/2014 11/06/2014	Richard Willoughby

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

Photo 2 of 2 : FA\_2014\_NA0010\_120\_1\_20141110\_00008.jpg



Looking southwest at tree limb on waterward slope.

LM Start	12.73	Rating **	C	Issue No.	10
LM End	12.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.185467 °	37.185467 °
				-120.768510 °	-120.768510 °
DWR ID	DWR_NA0010_02B_s_2014_10				
Action/Comments					
Tree or limb Inspector Comments: Large tree on landward slope.					

No Photos

LM Start	12.73	Rating **	C	Issue No.	11
LM End	12.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.185467 °	37.185467 °
				-120.768506 °	-120.768506 °
DWR ID	DWR_NA0010_02B_s_2014_11				
Action/Comments					
Repair slope instability. Inspector Comments: Large hole on landward slope from fallen tree. Hole is approx. 3-4' in diameter.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/06/2014 11/06/2014	Richard Willoughby

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

**Unit Cover Sheet**

**Fall 2014 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)			<b>U</b>	
Date of Inspection	05/15/2014 - 05/15/2014		11/05/2014 - 11/05/2014	
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).

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- c) corrections to deficiencies noted in this report

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.42	Rating **	M	Issue No.	4
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.106450 °	37.088965 °
				-120.586024 °	-120.566867 °
DWR ID	DWR_NA0010_03_f_2014_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control tumble weeds on landward slope.					

Photo 1 of 1 : FA\_2014\_NA0010\_121\_4\_20141110\_00001.jpg



Looking north at tumble weeds on landward slope.

LM Start	0.44	Rating **	M	Issue No.	1
LM End	0.44	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	DWR_NA0010_03_f_0_1				
Action/Comments					
Inspector Comments: FS_ID:34083					
EP_NO: N/A					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	11/05/2014 11/05/2014	Richard Willoughby

LM Start	1.73	Rating **	M	Issue No.	2
LM End	1.73	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	DWR_NA0010_03_f_0_2				
Action/Comments					
Inspector Comments: FS_ID:39371					
EP_NO: N/A					
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: 4/17/2014					

No Photos

LM Start	2.06	Rating **	M	Issue No.	3
LM End	2.06	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	DWR_NA0010_03_f_0_3				
Action/Comments					
Inspector Comments: FS_ID:36543					
EP_NO: N/A					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	11/05/2014 11/05/2014	Richard Willoughby

LM Start	2.07	Rating **	M	Issue No.	5
LM End	2.07	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                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 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)			A	
Date of Inspection	05/15/2014 - 05/15/2014		11/05/2014 - 11/05/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	9
LM End	1.58	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112525 °	37.095291 °
				-120.589153 °	-120.577949 °
DWR ID	DWR_NA0010_04_f_2014_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Landward & waterward slope in compliance with standards.					

Photo 1 of 1 : FA\_2014\_NA0010\_122\_9\_20141110\_00005.jpg



Looking north at levee in compliance with standards.

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112353 °	37.112353 °
				-120.589565 °	-120.589565 °
DWR ID	DWR_NA0010_04_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:40529					
EP_NO: 5024					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	2
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112348 °	37.112348 °
				-120.589581 °	-120.589581 °
DWR ID	DWR_NA0010_04_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:36875					
EP_NO: 5024					
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: 4/17/2014					

No Photos

LM Start	0.03	Rating **	M	Issue No.	5
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112343 °	37.112343 °
				-120.589601 °	-120.589601 °
DWR ID	DWR_NA0010_04_f _ 2014_5				
Action/Comments					
Inspector Comments: FS_ID:36876					
EP_NO: 5024					
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] 3 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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	6
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112336 °	37.112336 °
				-120.589624 °	-120.589624 °
DWR ID	DWR_NA0010_04_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:36877					
EP_NO: 5024					
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: 4/17/2014					

No Photos

LM Start	0.24	Rating **	M	Issue No.	7
LM End	0.24	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.109933 °	37.109933 °
				-120.590689 °	-120.590689 °
DWR ID	DWR_NA0010_04_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:34093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment and debris blocking concrete headwall located on waterward side. During inspection water was flowing from landward side to waterward side. Recommend removing sediment to confirm condition of flap gate and pipe. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 18.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both sides. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.27). FS Date: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.30	Rating **	M	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\_2014\_NA0010\_122\_4\_20141103\_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 *	CR
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\_2014\_NA0010\_122\_3\_20141103\_00001.jpg



Looking north at irrigation ditch at landside toe.

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : FA\_2014\_NA0010\_122\_3\_20141103\_00002.jpg



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

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.32	Rating **	M	Issue No.	3 (cont)	
LM End	1.49	Issue Type +	En	Location *	CR	
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 3 of 3 : FA\_2014\_NA0010\_122\_3\_20141103\_00003.jpg



Looking north at irrigation ditch at landside toe.

LM Start	1.58	Rating **	M	Issue No.	8
LM End	1.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.095274 °	37.095274 °
				-120.577959 °	-120.577959 °
DWR ID	DWR_NA0010_04_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:40530 EP_NO: 3416 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm if crossing is still in use. Need to contact owner to confirm status. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe, encased in 6-inches of reinforced concrete through the levee. Concrete cutoff wall at center of levee. Pumping plant on the waterward bank. Pump and irrigation pipe retained under Permit No. 3416 (1964). FS Date: 4/17/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/12/2014 - 05/14/2014		11/03/2014 - 11/04/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	10
LM End	0.07	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	DWR_NA0010_05_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:39563					
EP_NO: N/A					
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: 4/9/2014					

No Photos

LM Start	0.31	Rating **	U	Issue No.	13
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	DWR_NA0010_05_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:39315					
EP_NO: N/A					
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: 4/9/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	0.59	Rating **	M	Issue No.	14
LM End	0.59	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	DWR_NA0010_05_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:39584					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Excess debris on landward headwall--recommend clearing.					
FIELD_STRUCT_DESC: 30-inch C.M. stormdrain pipe through the levee, 7.5 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 0.59).					
FS Date: 4/9/2014					

No Photos

LM Start	0.64	Rating **	C	Issue No.	24
LM End	0.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.273445 °	37.273445 °
				-120.815210 °	-120.815210 °
DWR ID	DWR_NA0010_05_s_2013_24				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	17
LM End	0.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID	DWR_NA0010_05_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:39585 EP_NO: N/A 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: 4/9/2014					

No Photos

LM Start	0.81	Rating **	C	Issue No.	169
LM End	2.07	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.272262 °	37.259735 °
				-120.812532 °	-120.797307 °
DWR ID	DWR_NA0010_05_s_2012_169				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	2.81	Rating **	A/W	Issue No.	3
LM End	2.86	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 2 : FA\_2014\_NA0010\_123\_3\_20141103\_00002.jpg



Looking south at trimmed trees on landward slope and toe.

Photo 2 of 2 : FA\_2014\_NA0010\_123\_3\_20141103\_00003.jpg



Looking south at dense trees on landside slope.

LM Start	2.83	Rating **	M	Issue No.	18
LM End	2.83	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	DWR_NA0010_05_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:33709					
EP_NO: N/A					
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					

No Photos

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

No Photos

Looking northwest at unauthorized ramp on waterward slope.

Page 5 of 43



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	3.19	Rating **	M	Issue No.	7 (cont)	
LM End	3.19	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 3 of 3 : FA\_2014\_NA0010\_123\_7\_20141103\_00006.jpg



Looking northwest at unauthorized ramp on waterside slope.

LM Start	3.32	Rating **	A/W	Issue No.	1
LM End	3.32	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

LM Start	3.33	Rating **	U	Issue No.	19
LM End	3.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255258 °	37.255258 °
				-120.776996 °	-120.776996 °
DWR ID	DWR_NA0010_05_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:33710					
EP_NO: N/A					
Repair Type: 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: 4/15/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	3.54	Rating **	M	Issue No.	2
LM End	3.54	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\_2014\_NA0010\_123\_2\_20141103\_00001.jpg



Looking south at down tree limb on landside slope and toe.

LM Start	3.66	Rating **	M	Issue No.	20
LM End	3.66	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	DWR_NA0010_05_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:39586					
EP_NO: N/A					
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: 4/16/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	4.01	Rating **	M	Issue No.	23
LM End	4.01	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	DWR_NA0010_05_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:39880					
EP_NO: N/A					
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: 4/16/2014					

No Photos

LM Start	4.26	Rating **	M	Issue No.	25
LM End	4.26	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	DWR_NA0010_05_f_2014_25				
Action/Comments					
Inspector Comments: FS_ID:39588					
EP_NO: N/A					
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, 11.6-feet below the crown. Flap gate on the waterward end. Concrete head wall 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 4.27).					
FS Date: 4/16/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	4.53	Rating **	M	Issue No.	26
LM End	4.53	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	DWR_NA0010_05_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:39589					
EP_NO: N/A					
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: 4/16/2014 8:16:00 AM					

No Photos

LM Start	4.88	Rating **	M	Issue No.	28
LM End	4.88	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	DWR_NA0010_05_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:39590					
EP_NO: N/A					
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, 12.3-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 4.89).					
FS Date: 4/16/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	4.99	Rating **	C	Issue No.	12
LM End	4.99	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.240732 °	37.240732 °
				-120.749512 °	-120.749512 °
DWR ID	DWR_NA0010_05_f_2012_12				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: LMA corrected the site.					

No Photos

LM Start	5.13	Rating **	M	Issue No.	29
LM End	5.13	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID	DWR_NA0010_05_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:39591					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					

No Photos

LM Start	5.56	Rating **	M	Issue No.	8
LM End	5.56	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 drainage structure will prevent proper drainage.					

Photo 1 of 2 : FA\_2014\_NA0010\_123\_8\_20141110\_00016.jpg



Looking west at drain structure on landward toe.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	5.56	Rating **	M	Issue No.	8 (cont)	
LM End	5.56	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 drainage structure will prevent proper drainage.						

Photo 2 of 2 : FA\_2014\_NA0010\_123\_8\_20141110\_00017.jpg



Looking south at drain structure on landward toe.

LM Start	6.50	Rating **	M	Issue No.	15
LM End	6.50	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	7.36	Rating **	M	Issue No.	30
LM End	7.36	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224560 °	37.224560 °
				-120.714057 °	-120.714057 °
DWR ID	DWR_NA0010_05_f_2014_30				
Action/Comments					
Inspector Comments: FS_ID:39592					
EP_NO: N/A					
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: 4/22/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	7.58	Rating **	M	Issue No.	31
LM End	7.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221465 °	37.221465 °
				-120.713780 °	-120.713780 °
DWR ID	DWR_NA0010_05_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:34170 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. Slide gate rusted shut on WS slope. Unable to locate inlet or outlet. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 20.4 feet below the crown. Slide gate in 36-inch C.M. pipe riser unit in waterward slope. Concrete "U" headwalls on each end (not found 2014). (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58). FS Date: 4/22/2014					

No Photos

LM Start	8.06	Rating **	M	Issue No.	4
LM End	8.06	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

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	8.45	Rating **	M	Issue No.	32
LM End	8.45	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	DWR_NA0010_05_f_2014_32				
Action/Comments					
Inspector Comments: FS_ID:34265					
EP_NO: N/A					
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: 4/22/2014					

No Photos

LM Start	8.83	Rating **	M	Issue No.	5
LM End	8.83	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	10.05	Rating **	M	Issue No.	33
LM End	10.05	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	DWR_NA0010_05_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:34273					
EP_NO: N/A					
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: 4/22/2014					

No Photos

LM Start	12.87	Rating **	A/W	Issue No.	27
LM End	13.08	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	12.88	Rating **	M	Issue No.	34
LM End	12.88	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	DWR_NA0010_05_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:39593					
EP_NO: N/A					
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: 4/22/2014					

No Photos

LM Start	13.41	Rating **	M	Issue No.	35
LM End	13.41	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	DWR_NA0010_05_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:34288					
EP_NO: N/A					
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: 4/22/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	13.71	Rating **	M	Issue No.	36
LM End	13.71	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	DWR_NA0010_05_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:34824					
EP_NO: N/A					
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: 4/22/2014					

No Photos

LM Start	15.09	Rating **	M	Issue No.	37
LM End	15.09	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	DWR_NA0010_05_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:34664 EP_NO: N/A 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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	15.75	Rating **	M	Issue No.	38
LM End	15.75	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	DWR_NA0010_05_f _ 2014_38				
Action/Comments					
Inspector Comments: FS_ID:39595					
EP_NO: N/A					
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, 11.0 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. (USACE-1967). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (HLM					
15.74).					
FS Date: 4/23/2014					

No Photos

LM Start	15.80	Rating **	M	Issue No.	39
LM End	15.80	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	DWR_NA0010_05_f _ 2014_39				
Action/Comments					
Inspector Comments: FS_ID:39596					
EP_NO: N/A					
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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	16.67	Rating **	M	Issue No.	40
LM End	16.67	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	DWR_NA0010_05_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:34725					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe heavily silted on LS toe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the					
levee, 10.5-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					
16.67).					
FS Date: 4/23/2014					

No Photos

LM Start	17.21	Rating **	M	Issue No.	41
LM End	17.21	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	DWR_NA0010_05_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:39597					
EP_NO: N/A					
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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	17.53	Rating **	M	Issue No.	42
LM End	17.53	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	DWR_NA0010_05_f_2014_42				
Action/Comments					
Inspector Comments: FS_ID:39599					
EP_NO: N/A					
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, 9.8-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					
17.52).					
FS Date: 4/23/2014					

No Photos

LM Start	18.08	Rating **	M	Issue No.	43
LM End	18.08	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	DWR_NA0010_05_f_2014_43				
Action/Comments					
Inspector Comments: FS_ID:34747					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Animal burrows in levee on both slopes.					
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 both ends. (USACE-1967). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (HLM					
18.07).					
FS Date: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	18.69	Rating **	M	Issue No.	44
LM End	18.69	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	DWR_NA0010_05_f _ 2014_44				
Action/Comments					
Inspector Comments: FS_ID:39600					
EP_NO: N/A					
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: 4/23/2014					

No Photos

LM Start	19.14	Rating **	M	Issue No.	45
LM End	19.14	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	DWR_NA0010_05_f _ 2014_45				
Action/Comments					
Inspector Comments: FS_ID:39601					
EP_NO: N/A					
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 19.11).					
FS Date: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	19.46	Rating **	M	Issue No.	46
LM End	19.46	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	DWR_NA0010_05_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:39602					
EP_NO: N/A					
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: 4/23/2014					

No Photos

LM Start	19.49	Rating **	M	Issue No.	47
LM End	19.49	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	DWR_NA0010_05_f_2014_47				
Action/Comments					
Inspector Comments: FS_ID:39345					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Markers closer to the levee may be necessary to properly mark pipe crossing location.					
FIELD_STRUCT_DESC: Gasline of unknown diameter at unknown depth below the crown. CMP riser and gasline marker off LS toe.					
FS Date: 4/22/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	19.51	Rating **	M	Issue No.	48
LM End	19.51	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	DWR_NA0010_05_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:39603					
EP_NO: N/A					
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, 9.7 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 19.50).					
FS Date: 4/23/2014					

No Photos

LM Start	20.13	Rating **	M	Issue No.	49
LM End	20.13	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	DWR_NA0010_05_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:34759					
EP_NO: 13828					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments:					
FIELD_STRUCT_DESC: *DELETE* NOT INSTALLED THROUGH					
THE LEVEE. 24-inch steel irrigation pipe through the levee, 4.0 feet					
below the crown. Pump missing from pad on the landward side. Steel					
cutoff wall around pipe at center of levee. Siphon breaker on apex of					
pipe on landward shoulder. Pre-existing ditch runs from waterward toe					
to channel. Pipe extends from pump to the channel. Rock revetment on					
the cut slopes of the inlet channel. (Permit No. 13828-1988)					
FS Date: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	20.59	Rating **	M	Issue No.	50
LM End	20.59	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	DWR_NA0010_05_f _ 2014_50				
Action/Comments					
Inspector Comments: FS_ID:39605 EP_NO: N/A 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: 4/23/2014					

No Photos

LM Start	21.08	Rating **	M	Issue No.	51
LM End	21.08	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	DWR_NA0010_05_f _ 2014_51				
Action/Comments					
Inspector Comments: FS_ID:39606 EP_NO: N/A 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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	21.43	Rating **	M	Issue No.	52
LM End	21.43	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	DWR_NA0010_05_f _ 2014_52				
Action/Comments					
Inspector Comments: FS_ID:39614 EP_NO: N/A 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, 12.7-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 21.42). FS Date: 4/23/2014					

No Photos

LM Start	21.81	Rating **	M	Issue No.	53
LM End	21.81	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	DWR_NA0010_05_f _ 2014_53				
Action/Comments					
Inspector Comments: FS_ID:39883 EP_NO: N/A 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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	21.85	Rating **	M	Issue No.	54
LM End	21.85	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	DWR_NA0010_05_f _ 2014_54				
Action/Comments					
Inspector Comments: FS_ID:39610					
EP_NO: N/A					
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, 10.7-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 21.85).					
FS Date: 4/23/2014					

No Photos

LM Start	22.19	Rating **	M	Issue No.	55
LM End	22.19	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	DWR_NA0010_05_f_2014_55				
Action/Comments					
Inspector Comments: FS_ID:39611 EP_NO: N/A 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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	22.46	Rating **	M	Issue No.	56
LM End	22.46	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	DWR_NA0010_05_f_2014_56				
Action/Comments					
Inspector Comments: FS_ID:39613					
EP_NO: N/A					
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, 10.4-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 22.79).					
FS Date: 4/23/2014					

No Photos

LM Start	22.79	Rating **	M	Issue No.	57
LM End	22.79	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	DWR_NA0010_05_f_2014_57				
Action/Comments					
Inspector Comments: FS_ID:39616					
EP_NO: N/A					
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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	22.93	Rating **	M	Issue No.	58
LM End	22.93	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	DWR_NA0010_05_f _ 2014_58				
Action/Comments					
Inspector Comments: FS_ID:39617					
EP_NO: N/A					
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, 11.1-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 22.79).					
FS Date: 4/23/2014					

No Photos

LM Start	23.07	Rating **	M	Issue No.	59
LM End	23.07	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	DWR_NA0010_05_f _ 2014_59				
Action/Comments					
Inspector Comments: FS_ID:39618					
EP_NO: N/A					
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: 4/23/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	23.63	Rating **	M	Issue No.	60
LM End	23.63	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	DWR_NA0010_05_f_2014_60				
Action/Comments					
Inspector Comments: FS_ID:39621					
EP_NO: N/A					
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: 30-inch C.M. pipe through the levee, 12.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 23.62).					
FS Date: 3/25/2014					

No Photos

LM Start	23.93	Rating **	M	Issue No.	61
LM End	23.93	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	DWR_NA0010_05_f_2014_61				
Action/Comments					
Inspector Comments: FS_ID:39620					
EP_NO: N/A					
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: 3/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	24.14	Rating **	M	Issue No.	62
LM End	24.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.061707 °	37.061707 °
				-120.505413 °	-120.505413 °
DWR ID	DWR_NA0010_05_f _ 2014_62				
Action/Comments					
Inspector Comments: FS_ID:39622					
EP_NO: N/A					
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 24.18).					
FS Date: 3/25/2014					

No Photos

LM Start	24.46	Rating **	M	Issue No.	63
LM End	24.46	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	DWR_NA0010_05_f _ 2014_63				
Action/Comments					
Inspector Comments: FS_ID:39623 EP_NO: N/A 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: 3/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	25.15	Rating **	M	Issue No.	64
LM End	25.15	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	DWR_NA0010_05_f_2014_64				
Action/Comments					
Inspector Comments: FS_ID:32789					
EP_NO: N/A					
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: 3/25/2014					

No Photos

LM Start	25.49	Rating **	A/W	Issue No.	9
LM End	25.54	Issue Type +	En	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	25.51	Rating **	M	Issue No.	65
LM End	25.51	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	DWR_NA0010_05_f_2014_65				
Action/Comments					
Inspector Comments: FS_ID:39625					
EP_NO: N/A					
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: 3/25/2014					

No Photos

LM Start	25.53	Rating **	M	Issue No.	66
LM End	25.53	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	DWR_NA0010_05_f_2014_66				
Action/Comments					
Inspector Comments: FS_ID:39626					
EP_NO: N/A					
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: 30-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 25.53).					
FS Date: 3/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	26.11	Rating **	M	Issue No.	67
LM End	26.11	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	DWR_NA0010_05_f_2014_67				
Action/Comments					
Inspector Comments: FS_ID:39627					
EP_NO: N/A					
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: 3/25/2014					

No Photos

LM Start	26.85	Rating **	M	Issue No.	68
LM End	26.85	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	DWR_NA0010_05_f_2014_68				
Action/Comments					
Inspector Comments: FS_ID:39628					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.4 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 26.85).					
FS Date: 3/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	26.88	Rating **	M	Issue No.	69
LM End	26.88	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	DWR_NA0010_05_f_2014_69				
Action/Comments					
Inspector Comments: FS_ID:32806					
EP_NO: N/A					
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: 3/25/2014					

No Photos

LM Start	28.17	Rating **	M	Issue No.	70
LM End	28.17	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	DWR_NA0010_05_f_2014_70				
Action/Comments					
Inspector Comments: FS_ID:32823					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Animal Burrowing activity at LS toe may undermine headwall.					
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 28.17).					
FS Date: 3/25/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	28.95	Rating **	U	Issue No.	71
LM End	28.95	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	DWR_NA0010_05_f_2014_71				
Action/Comments					
Inspector Comments: FS_ID:32830					
EP_NO: N/A					
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: 3/27/2014					

No Photos

LM Start	29.48	Rating **	M	Issue No.	72
LM End	29.48	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	DWR_NA0010_05_f_2014_72				
Action/Comments					
Inspector Comments: FS_ID:39884					
EP_NO: N/A					
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: 36-inch C.M. 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 29.49).					
FS Date: 3/27/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	29.58	Rating **	M	Issue No.	171
LM End	29.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.020272 °	37.018712 °
				-120.433737 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Waterside erosion caused by livestock.					

LM Start	<b>29.58</b>	Rating **	M	Issue No.	<b>171 (cont)</b>
LM End	<b>29.70</b>	Issue Type +	Ma	Location *	WS

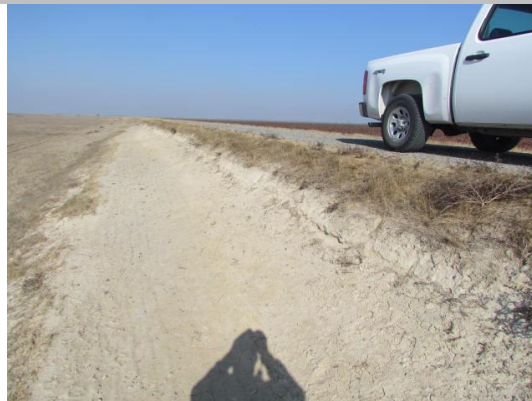
LM Start	<b>29.58</b>	Rating **	M	Issue No.	<b>171 (cont)</b>
LM End	<b>29.70</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA\_2014\_NA0010\_123\_171\_20141103\_00012.jpg



Looking south at erosion caused by livestock on landside slope.

Photo 2 of 3 : FA\_2014\_NA0010\_123\_171\_20141103\_00013.jpg



Looking south at livestock erosion on landward slope.

Photo 3 of 3 : FA\_2014\_NA0010\_123\_171\_20141103\_00014.jpg



Looking east at livestock erosion on landward slope.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	29.72	Rating **	M	Issue No.	73
LM End	29.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.018505 °	37.018505 °
				-120.432544 °	-120.432544 °
DWR ID	DWR_NA0010_05_f_2014_73				
Action/Comments					
Inspector Comments: FS_ID:39631					
EP_NO: N/A					
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.					

No Photos

LM Start	29.76	Rating **	A/W	Issue No.	21
LM End	31.66	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	29.80	Rating **	M	Issue No.	16
LM End	29.80	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	30.04	Rating **	M	Issue No.	74
LM End	30.04	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	DWR_NA0010_05_f _ 2014_74				
Action/Comments					
Inspector Comments: FS_ID:39632					
EP_NO: N/A					
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: 3/27/2014					

No Photos

LM Start	30.36	Rating **	A/W	Issue No.	22
LM End	34.51	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.					

Photo 1 of 1 : FA\_2014\_NA0010\_123\_22\_20141103\_00010.jpg



Looking at 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	30.96	Rating **	M	Issue No.	75
LM End	30.96	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	DWR_NA0010_05_f _ 2014_75				
Action/Comments					
Inspector Comments: FS_ID:39633					
EP_NO: N/A					
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: 3/27/2014					

No Photos

LM Start	31.20	Rating **	M	Issue No.	76
LM End	31.20	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	DWR_NA0010_05_f _ 2014_76				
Action/Comments					
Inspector Comments: FS_ID:39643					
EP_NO: N/A					
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: 3/27/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	31.67	Rating **	M	Issue No.	77
LM End	31.67	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	DWR_NA0010_05_f_2014_77				
Action/Comments					
Inspector Comments: FS_ID:39645 EP_NO: N/A 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, 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 with flashboard attachment. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 31.71). FS Date: 4/1/2014					

No Photos

LM Start	32.22	Rating **	M	Issue No.	78
LM End	32.22	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	DWR_NA0010_05_f_2014_78				
Action/Comments					
Inspector Comments: FS_ID:39646					
EP_NO: N/A					
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: 4/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	33.01	Rating **	M	Issue No.	79
LM End	33.01	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	DWR_NA0010_05_f_2014_79				
Action/Comments					
Inspector Comments: FS_ID:39647					
EP_NO: N/A					
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 blocking landward headwall--recommend contacting owner to clear debris.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 12.2 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 33.01).					
FS Date: 4/1/2014					

No Photos

LM Start	33.71	Rating **	M	Issue No.	80
LM End	33.71	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	DWR_NA0010_05_f _ 2014_80				
Action/Comments					
Inspector Comments: FS_ID:39648					
EP_NO: N/A					
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: 4/1/2014					

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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	11/03/2014 11/04/2014	Richard Willoughby

LM Start	34.50	Rating **	M	Issue No.	11
LM End	34.50	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.					

Photo 1 of 1 : FA\_2014\_NA0010\_123\_11\_20141103\_00007.jpg



Looking west at unauthorized ramp on waterward slope.

LM Start	34.51	Rating **	M	Issue No.	81
LM End	34.51	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	DWR_NA0010_05_f_ 2014_81				
Action/Comments					
Inspector Comments: FS_ID:39649					
EP_NO: N/A					
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: 4/1/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Lower San Joaquin Levee District**

Waterway			Bank	Unit Miles
Unit No. 06 East Side Bypass			Left	36.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	05/13/2014 - 05/15/2014		11/05/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	0.72	Rating **	M	Issue No.	4
LM End	0.72	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	DWR_NA0010_06_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:39463					
EP_NO: N/A					
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: 4/18/2014					

No Photos

LM Start	0.85	Rating **	M	Issue No.	11
LM End	0.85	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	DWR_NA0010_06_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:36565					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	1.90	Rating **	M	Issue No.	125
LM End	1.90	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	1.94	Rating **	M	Issue No.	12
LM End	1.94	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	DWR_NA0010_06_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:36566 EP_NO: N/A 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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	2.60	Rating **	M	Issue No.	13
LM End	2.60	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	DWR_NA0010_06_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:39464					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Sediment buildup in pipe visible on landward side.					
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 6.9 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope.					
Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.61).					
FS Date: 4/18/2014					

No Photos

LM Start	2.63	Rating **	M	Issue No.	15
LM End	2.63	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	DWR_NA0010_06_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:36568					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	2.84	Rating **	M	Issue No.	17
LM End	2.84	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	DWR_NA0010_06_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:36569					
EP_NO: N/A					
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, 10.5 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 2.85).					
FS Date: 4/18/2014					

No Photos

LM Start	3.07	Rating **	M	Issue No.	18
LM End	3.07	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	DWR_NA0010_06_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:36583					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	3.27	Rating **	M	Issue No.	20
LM End	3.27	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	DWR_NA0010_06_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:36584 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.4 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 3.29). FS Date: 4/18/2014					

No Photos

LM Start	3.44	Rating **	M	Issue No.	23
LM End	3.44	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	DWR_NA0010_06_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:36585					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	3.48	Rating **	M	Issue No.	24
LM End	3.48	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	DWR_NA0010_06_f_2014_24				
Action/Comments					
Inspector Comments: FS_ID:39482 EP_NO: 6965 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Description of structure does not match. Need to contact owner. Current description includes concrete platform, trash screen, and gage reading on waterward side. Metal box located on waterward shoulder. Large plant facility locate on landward side. FIELD_STRUCT_DESC: 16-inch steel discharge pipe through levee, 7.4 feet below crown. CM cutoff wall around pipe in center of levee. Siphon breaker on apex of pipe on landward levee shoulder. Pump on waterward side, with timber platform on waterward berm for support. Pipe exposed on both slopes. (Permit No. 6965-1971) FS Date: 4/10/2014					

No Photos

LM Start	3.53	Rating **	M	Issue No.	25
LM End	3.53	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	DWR_NA0010_06_f_2014_25				
Action/Comments					
Inspector Comments: FS_ID:39465 EP_NO: N/A 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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	3.76	Rating **	M	Issue No.	26
LM End	3.76	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	DWR_NA0010_06_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:39466					
EP_NO: N/A					
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: 4/18/2014					

No Photos

LM Start	3.96	Rating **	M	Issue No.	27
LM End	3.96	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	DWR_NA0010_06_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:39467					
EP_NO: N/A					
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: 36-inch CM pipe through levee, 6.7 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope.					
(USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.97).					
FS Date: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	4.16	Rating **	M	Issue No.	28
LM End	4.16	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	DWR_NA0010_06_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:36606					
EP_NO: N/A					
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, 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 4.17).					
FS Date: 4/18/2014					

No Photos

LM Start	4.39	Rating **	M	Issue No.	29
LM End	4.39	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	DWR_NA0010_06_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:36607					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	4.67	Rating **	A/W	Issue No.	16
LM End	4.67	Issue Type +	En	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

LM Start	4.69	Rating **	M	Issue No.	30
LM End	4.69	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID	DWR_NA0010_06_f_2014_30				
Action/Comments					
Inspector Comments: FS_ID:39468					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup inside crossing visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition.					
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 6.9 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete headwall 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 4.70).					
FS Date: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	4.72	Rating **	M	Issue No.	10
LM End	4.72	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\_2014\_NA0010\_124\_10\_20141103\_00010.jpg



Looking at rodent hole along fence line on landward slope.

Photo 2 of 2 : FA\_2014\_NA0010\_124\_10\_20141103\_00011.jpg



Looking at typical rodent holes on landward slope.

LM Start	4.75	Rating **	M	Issue No.	31
LM End	4.75	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	DWR_NA0010_06_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:36609					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	4.93	Rating **	M	Issue No.	32
LM End	4.93	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	DWR_NA0010_06_f _ 2014_32				
Action/Comments					
Inspector Comments: FS_ID:36610 EP_NO: N/A 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: 4/18/2014					

No Photos

LM Start	5.33	Rating **	M	Issue No.	33
LM End	5.33	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	DWR_NA0010_06_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:39875					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Clear vegetation from waterward slope and landward headwall.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.9 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 5.34).					
FS Date: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	5.62	Rating **	M	Issue No.	34
LM End	5.62	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	DWR_NA0010_06_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:36611					
EP_NO: N/A					
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: 4/18/2014					

No Photos

LM Start	5.83	Rating **	A/W	Issue No.	9
LM End	5.83	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 motorcycle traffic.					

Photo 1 of 2 : FA\_2014\_NA0010\_124\_9\_20141110\_00014.jpg



Looking northwest damage slope corrected.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	5.83	Rating **	A/W	Issue No.	9 (cont)
LM End	5.83	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.					

Photo 2 of 2 : FA\_2014\_NA0010\_124\_9\_20141103\_00009.jpg



Looking at slope damage cause by vehicle traffic on landward slope.

LM Start	6.05	Rating **	M	Issue No.	35
LM End	6.05	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	DWR_NA0010_06_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:39470					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	6.05	Rating **	U	Issue No.	65
LM End	6.05	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 drain structure headwall at landward toe.					

Photo 1 of 2 : FA\_2014\_NA0010\_124\_65\_20141110\_00015.jpg



Looking northwest at erosion around headwall of drainage structure on landward toe.

LM Start	<b>6.05</b>	Rating **	U	Issue No.	<b>65 (cont)</b>
LM End	<b>6.05</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_124\_65\_20141110\_00016.jpg



Looking south erosion around headwall of drainage structure on landward toe.

LM Start	6.12	Rating **	M	Issue No.	22
LM End	6.12	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	6.15	Rating **	M	Issue No.	21
LM End	6.15	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	7.17	Rating **	M	Issue No.	7
LM End	7.17	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

LM Start	7.28	Rating **	M	Issue No.	36
LM End	7.28	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	DWR_NA0010_06_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:39471					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	7.73	Rating **	M	Issue No.	37
LM End	7.73	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	DWR_NA0010_06_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:39472					
EP_NO: N/A					
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: 4/18/2014					

No Photos

LM Start	8.20	Rating **	M	Issue No.	38
LM End	8.20	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	DWR_NA0010_06_f_2014_38				
Action/Comments					
Inspector Comments: FS_ID:39473					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe--recommend contacting owner to clear sediment.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.5 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 8.21).					
FS Date: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	8.51	Rating **	M	Issue No.	39
LM End	8.51	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	DWR_NA0010_06_f_2014_39				
Action/Comments					
Inspector Comments: FS_ID:39474					
EP_NO: N/A					
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: 4/18/2014					

No Photos

LM Start	9.64	Rating **	M	Issue No.	40
LM End	9.64	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	DWR_NA0010_06_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:39492					
EP_NO: N/A					
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: 4/21/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	9.64	Rating **	M	Issue No.	41
LM End	9.64	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	DWR_NA0010_06_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:39497					
EP_NO: N/A					
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: 4/21/2014					

No Photos

LM Start	9.64	Rating **	M	Issue No.	42
LM End	9.64	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	DWR_NA0010_06_f_2014_42				
Action/Comments					
Inspector Comments: FS_ID:39498					
EP_NO: N/A					
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: 4/21/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	9.64	Rating **	M	Issue No.	43
LM End	9.64	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	DWR_NA0010_06_f_2014_43				
Action/Comments					
Inspector Comments: FS_ID:39885					
EP_NO: N/A					
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: 4/21/2014					

No Photos

LM Start	9.65	Rating **	M	Issue No.	44
LM End	9.65	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	DWR_NA0010_06_f_2014_44				
Action/Comments					
Inspector Comments: FS_ID:39500					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Accidently 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: 4/21/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	9.74	Rating **	M	Issue No.	45
LM End	9.74	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	DWR_NA0010_06_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:39475 EP_NO: N/A 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: 4/17/2014					

No Photos

LM Start	9.81	Rating **	M	Issue No.	6
LM End	11.03	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	11.57	Rating **	M	Issue No.	14
LM End	11.57	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_2014_14				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Tree is located along Sandy Mush Rd. on waterward slope.					

Photo 1 of 1 : FA\_2014\_NA0010\_124\_14\_20141103\_00012.jpg



Looking east at tree on waterward slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	11.64	Rating **	M	Issue No.	46
LM End	11.64	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	DWR_NA0010_06_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:39892					
EP_NO: N/A					
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: 4/17/2014					

No Photos

LM Start	11.82	Rating **	M	Issue No.	47
LM End	11.82	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	DWR_NA0010_06_f_2014_47				
Action/Comments					
Inspector Comments: FS_ID:39476					
EP_NO: N/A					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	13.31	Rating **	M	Issue No.	48
LM End	13.31	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	DWR_NA0010_06_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:39477					
EP_NO: N/A					
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, 10.8 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 13.30).					
FS Date: 4/17/2014					

No Photos

LM Start	14.45	Rating **	M	Issue No.	49
LM End	14.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID	DWR_NA0010_06_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:39478					
EP_NO: N/A					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	15.55	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

LM Start	15.77	Rating **	M	Issue No.	50
LM End	15.77	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	DWR_NA0010_06_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:39480					
EP_NO: N/A					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	15.91	Rating **	M	Issue No.	51
LM End	15.91	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	DWR_NA0010_06_f _ 2014_51				
Action/Comments					
Inspector Comments: FS_ID:36663 EP_NO: N/A 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: 4/17/2014					

No Photos

LM Start	16.48	Rating **	M	Issue No.	52
LM End	16.48	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	DWR_NA0010_06_f_2014_52				
Action/Comments					
Inspector Comments: FS_ID:36665					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. Unable to confirm pipe diameter.					
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 5.9 feet below the crown. Slide gate on the waterward side. Siphon extends under channel. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.49).					
FS Date: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	16.98	Rating **	M	Issue No.	63
LM End	19.32	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\_2014\_NA0010\_124\_63\_20141110\_00018.jpg



Looking north at tumble weeds on levee slopes.

LM Start	16.98	Rating **	U	Issue No.	64
LM End	18.89	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\_2014\_NA0010\_124\_64\_20141110\_00017.jpg



Looking northeast at dense tumble weeds on waterward slope.

LM Start	18.29	Rating **	M	Issue No.	53
LM End	18.29	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	DWR_NA0010_06_f_2014_53				
Action/Comments					
Inspector Comments: FS_ID:39876 EP_NO: N/A 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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	18.91	Rating **	U	Issue No.	54
LM End	18.91	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	DWR_NA0010_06_f_2014_54				
Action/Comments					
Inspector Comments: FS_ID:36684					
EP_NO: 3040					
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: 4/17/2014					

No Photos

LM Start	18.98	Rating **	M	Issue No.	55
LM End	18.98	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	DWR_NA0010_06_f_2014_55				
Action/Comments					
Inspector Comments: FS_ID:36687					
EP_NO: N/A					
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 levee, 10.2 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 18.97).					
FS Date: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	19.38	Rating **	M	Issue No.	56
LM End	19.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112902 °	37.112902 °
				-120.588751 °	-120.588751 °
DWR ID	DWR_NA0010_06_f_2014_56				
Action/Comments					
Inspector Comments: FS_ID:36688 EP_NO: N/A 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: 4/17/2014					

No Photos

LM Start	19.82	Rating **	M	Issue No.	57
LM End	19.82	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	DWR_NA0010_06_f_2014_57				
Action/Comments					
Inspector Comments: FS_ID:36689					
EP_NO: N/A					
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: 4/17/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	22.90	Rating **	M	Issue No.	8
LM End	22.96	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

LM Start	23.93	Rating **	M	Issue No.	58
LM End	23.93	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	DWR_NA0010_06_f_2014_58				
Action/Comments					
Inspector Comments: FS_ID:34010					
EP_NO: 13638					
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: 4/17/2014					

No Photos

LM Start	24.50	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 2 : FA\_2014\_NA0010\_124\_5\_20141103\_00007.jpg



Looking north at livestock erosion on landward slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	24.50	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 2 of 2 : FA\_2014\_NA0010\_124\_5\_20141103\_00008.jpg



Looking north at livestock erosion on landside slope.

LM Start	27.56	Rating **	M	Issue No.	3
LM End	27.87	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.					

Photo 1 of 4 : FA\_2014\_NA0010\_124\_3\_20141103\_00003.jpg



Looking north at livestock erosion on landside shoulder and slope.

LM Start	<b>27.56</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>27.87</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA\_2014\_NA0010\_124\_3\_20141103\_00004.jpg



Looking south at livestock erosion on landward slope. (Fall 2013)

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	27.56	Rating **	M	Issue No.	3 (cont)	
LM End	27.87	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.						

Photo 3 of 4 : FA\_2014\_NA0010\_124\_3\_20141103\_00005.jpg



Looking north at livestock erosion on landward slope. (Spring 2013)

LM Start	<b>27.56</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>27.87</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : FA\_2014\_NA0010\_124\_3\_20141103\_00006.jpg



Looking south at livestock erosion on landside shoulder and slope.

LM Start	28.32	Rating **	M	Issue No.	19
LM End	28.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.029965 °	37.030102 °
				-120.474483 °	-120.469122 °
DWR ID	DWR_NA0010_06_s _ 2012_19				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	29.35	Rating **	M	Issue No.	59
LM End	29.35	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	DWR_NA0010_06_f _ 2014_59				
Action/Comments					
Inspector Comments: FS_ID:39886					
EP_NO: N/A					
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: 4/10/2014					

No Photos

LM Start	30.27	Rating **	M	Issue No.	60
LM End	30.27	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	DWR_NA0010_06_f_2014_60				
Action/Comments					
Inspector Comments: FS_ID:36693					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Altered crossing--steel pipe section on landward side and concrete pipe section on waterward side. Joints on waterward side separated. Need to contact owner to determine status.					
FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch R.C. siphon pipe through the levee, 14.5 feet below the crown. Concrete "U" headwall on outlet structure on the landward end. Slide gate mounted on the headwall. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 30.27).					
FS Date: 4/10/2014					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	32.99	Rating **	M	Issue No.	61
LM End	32.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995672 °	36.995672 °
				-120.412919 °	-120.412919 °
DWR ID	DWR_NA0010_06_f_2014_61				
Action/Comments					
Inspector Comments: FS_ID:34012 EP_NO: 6416A 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: 18-inch 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: 4/10/2014					

No Photos

LM Start	35.27	Rating **	A/W	Issue No.	1
LM End	36.16	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.31	11/05/2014 11/06/2014	Richard Willoughby

LM Start	35.33	Rating **	M	Issue No.	62
LM End	35.33	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	DWR_NA0010_06_f_2014_62				
Action/Comments					
Inspector Comments: FS_ID:39481 EP_NO: N/A 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: 4/10/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/12/2014 - 05/12/2014		11/03/2014 - 11/03/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/03/2014 11/03/2014	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	2
LM End	0.07	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID	DWR_NA0010_07_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:33711					
EP_NO: N/A					
Repair Type: Non-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: 4/15/2014					

No Photos

LM Start	0.11	Rating **	C	Issue No.	30
LM End	2.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.256091 °	37.255397 °
				-120.770417 °	-120.735555 °
DWR ID	DWR_NA0010_07_s_2012_30				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	0.49	Rating **	M	Issue No.	4
LM End	0.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258543 °	37.258543 °
				-120.764728 °	-120.764728 °
DWR ID	DWR_NA0010_07_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:33713					
EP_NO: N/A					
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.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/03/2014 11/03/2014	Richard Willoughby

LM Start	0.50	Rating **	A/W	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.					

No Photos

LM Start	0.85	Rating **	M	Issue No.	9
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	DWR_NA0010_07_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39507					
EP_NO: N/A					
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: 4/15/2014					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/03/2014 11/03/2014	Richard Willoughby

LM Start	1.51	Rating **	M	Issue No.	3
LM End	1.51	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 4 : FA\_2014\_NA0010\_125\_3\_20141103\_00003.jpg



Looking northeast at landside slope damaged by livestock.

LM Start	<b>1.51</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.51</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA\_2014\_NA0010\_125\_3\_20141103\_00004.jpg



Looking south at landward slope.

LM Start	<b>1.51</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.51</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA\_2014\_NA0010\_125\_3\_20141103\_00005.jpg



Looking southeast at damage on landward toe.(Spring 2013)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/03/2014 11/03/2014	Richard Willoughby

LM Start	1.51	Rating **	M	Issue No.	3 (cont)	
LM End	1.51	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 4 of 4 : FA\_2014\_NA0010\_125\_3\_20141103\_00006.jpg



Looking southeast at landside slope and toe damage by livestock.

LM Start	1.52	Rating **	M	Issue No.	6
LM End	1.52	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/03/2014 11/03/2014	Richard Willoughby

LM Start	1.86	Rating **	C	Issue No.	31
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261670 °	37.261670 °
				-120.745010 °	-120.745010 °
DWR ID	DWR_NA0010_07_s_2012_31				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Large rodent holes on crown of levee and landside shoulder of levee.					

No Photos

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\_2014\_NA0010\_125\_12\_20141110\_00017.jpg



Looking east at rodent hole next to fence post on landward shoulder.

LM Start	2.48	Rating **	C	Issue No.	7
LM End	2.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255830 °	37.255830 °
				-120.737255 °	-120.737255 °
DWR ID	DWR_NA0010_07_s_2014_7				
Action/Comments					
Pipe Inspector Comments: Landowner is in the process of installing a 18" pvc pipe into drain pipe. Eighteen inch pipe has a meter installed to monitor gpm into channel for water well. Landowner has corrected site according to Board standards.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/03/2014 11/03/2014	Richard Willoughby

LM Start	2.62	Rating **	A/W	Issue No.	8
LM End	2.62	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.254896 °	37.254896 °
				-120.734926 °	-120.734926 °
DWR ID	DWR_NA0010_07_s_2014_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.					

Photo 1 of 1 : FA\_2014\_NA0010\_125\_8\_20141110\_00019.jpg



Looking west at site corrected according to Board standards.

LM Start	3.09	Rating **	M	Issue No.	10
LM End	3.09	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251883 °	37.251883 °
				-120.728264 °	-120.728264 °
DWR ID	DWR_NA0010_07_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:39508 EP_NO: N/A 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: 4/15/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/13/2014 - 05/13/2014		11/04/2014 - 11/04/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.00	Rating **	A/W	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.					

Photo 1 of 2 : FA\_2014\_NA0010\_126\_28\_20141110\_00012.jpg



Looking west at levee crown in complies with standards.

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_126\_28\_20141103\_00008.jpg



Looking west at vegetation on levee crown.

LM Start	0.90	Rating **	M	Issue No.	4
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	DWR_NA0010_08_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:39887					
EP_NO: N/A					
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,					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/04/2014 11/04/2014	Richard Willoughby

LM Start	1.19	Rating **	M	Issue No.	2
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263183 °	37.263182 °
				-120.755637 °	-120.755650 °
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.	5
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	DWR_NA0010_08_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:39509					
EP_NO: N/A					
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: 4/16/2014					

No Photos

LM Start	1.38	Rating **	M	Issue No.	8
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263175 °	37.263175 °
				-120.752307 °	-120.752307 °
DWR ID	DWR_NA0010_08_s_2013_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0010\_126\_8\_20141103\_00007.jpg



Looking west at rodent holes on landward slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/04/2014 11/04/2014	Richard Willoughby

LM Start	1.38	Rating **	M	Issue No.	9
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	DWR_NA0010_08_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39510					
EP_NO: N/A					
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: 4/16/2014					

No Photos

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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/04/2014 11/04/2014	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	10
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	DWR_NA0010_08_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:39511					
EP_NO: N/A					
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: 4/16/2014					

No Photos

LM Start	2.07	Rating **	M	Issue No.	7
LM End	2.12	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: Several rodent holes were noted on landside slope near drainage pipe.					

Photo 1 of 3 : FA\_2014\_NA0010\_126\_7\_20141103\_00004.jpg



Looking at typical rodent hole along the section.

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>2.12</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2014\_NA0010\_126\_7\_20141103\_00005.jpg



Looking south at several rodent holes on landward slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/04/2014 11/04/2014	Richard Willoughby

LM Start	2.07	Rating **	M	Issue No.	7 (cont)	
LM End	2.12	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: Several rodent holes were noted on landside slope near drainage pipe.						

Photo 3 of 3 : FA\_2014\_NA0010\_126\_7\_20141103\_00006.jpg



Looking at typical rodent hole on landside slope near headwall.

LM Start	2.12	Rating **	M	Issue No.	11
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	DWR_NA0010_08_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:39512 EP_NO: N/A 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: 4/16/2014					

No Photos

LM Start	2.12	Rating **	C	Issue No.	6
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.257781 °	37.257781 °
				-120.741556 °	-120.741556 °
DWR ID	DWR_NA0010_08_s_2014_6				
Action/Comments					
Pipe					
Inspector Comments: Landowner installed a eighteen inch pipe with meter to drain pipe on landside. Landowner corrected encroachment according to Board standards.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/04/2014 11/04/2014	Richard Willoughby

LM Start	3.06	Rating **	M	Issue No.	12
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	DWR_NA0010_08_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:33761					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly.					

No Photos

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.						

No Photos

LM Start	3.43	Rating **	M	Issue No.	13
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	DWR_NA0010_08_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:39513					
EP_NO: N/A					
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: 4/16/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/13/2014 - 05/13/2014		11/04/2014 - 11/04/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.47	Rating **	M	Issue No.	1
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	DWR_NA0010_09_f_0_1				
Action/Comments					
Inspector Comments: FS_ID:39888 EP_NO: N/A 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: 4/22/2014					

No Photos

LM Start	0.70	Rating **	M	Issue No.	2
LM End	0.70	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	DWR_NA0010_09_f_0_2				
Action/Comments					
Inspector Comments: FS_ID:39515					
EP_NO: N/A					
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: 4/22/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.87	Rating **	A	Issue No.	3
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.220039 °	37.220039 °
				-120.698444 °	-120.698444 °
DWR ID	DWR_NA0010_09_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Levee is well maintained.					

Photo 1 of 3 : FA\_2014\_NA0010\_127\_3\_20141110\_00001.jpg



Looking south at levee crown in compliance with standards.

LM Start	<b>0.87</b>	Rating **	A	Issue No.	<b>3 (cont)</b>
LM End	<b>0.87</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2014\_NA0010\_127\_3\_20141110\_00002.jpg



Looking south at waterward slope in compliance with standards.

LM Start	<b>0.87</b>	Rating **	A	Issue No.	<b>3 (cont)</b>
LM End	<b>0.87</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2014\_NA0010\_127\_3\_20141110\_00003.jpg



Looking south at landward slope in compliance with standards.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 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	05/14/2014 - 05/14/2014		11/04/2014 - 11/04/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.217971 °	37.217971 °
				-120.711415 °	-120.711415 °
DWR ID	DWR_NA0010_10_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Levee is well maintained.					

Photo 1 of 2 : FA\_2014\_NA0010\_128\_2\_20141110\_00001.jpg



Looking waterward slope in compliance with standards.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>2 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_128\_2\_20141110\_00002.jpg



Looking at landward slope in compliance with standards.

LM Start	0.31	Rating **	M	Issue No.	1
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219116 °	37.219116 °
				-120.706652 °	-120.706652 °
DWR ID	DWR_NA0010_10_f_0_1				
Action/Comments					
Inspector Comments: FS_ID:39516					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status.					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/15/2014 - 05/15/2014		11/06/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	10
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.202309 °
					° -120.695230 °
DWR ID	DWR_NA0010_11_f_2014_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No maintenance problems noted.					

Photo 1 of 2 : FA\_2014\_NA0010\_129\_10\_20141110\_00002.jpg



Looking at landward slope in compliance with standards.

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>10 (cont)</b>
LM End	<b>3.31</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_129\_10\_20141110\_00004.jpg



Looking at waterward slope in compliance with standards.

LM Start	0.42	Rating **	M	Issue No.	3
LM End	0.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202754 °	37.202754 °
				-120.747689 °	-120.747689 °
DWR ID	DWR_NA0010_11_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:39517					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	4
LM End	0.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202751 °	37.202751 °
				-120.743474 °	-120.743474 °
DWR ID	DWR_NA0010_11_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:39518 EP_NO: N/A 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: 4/18/2014					

No Photos

LM Start	0.67	Rating **	A	Issue No.	2
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.202725 °	37.202725 °
				-120.743028 °	-120.743028 °
DWR ID	DWR_NA0010_11_f_2013_2				
Action/Comments					
Inspector Comments: Bottom hinge broken on gate across levee crown.					

LM Start	<b>0.67</b>	Rating **	A	Issue No.	<b>2 (cont)</b>
LM End	<b>0.67</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2014\_NA0010\_129\_2\_20141103\_00001.jpg



Looking at bottom hinge broken on gate across levee crown.

Photo 2 of 2 : FA\_2014\_NA0010\_129\_2\_20141110\_00005.jpg



Looking at gate in compliance with standards. (Fall 2014)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	5
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	DWR_NA0010_11_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:39519					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.					

No Photos

LM Start	1.13	Rating **	M	Issue No.	6
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	DWR_NA0010_11_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:39520					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.49	Rating **	M	Issue No.	7
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	DWR_NA0010_11_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:39521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 48-inch C.M. pipe through the levee, 16.3 feet below the crown. Slide gate in riser pipe on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.50). FS Date: 4/18/2014					

No Photos

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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.98	Rating **	M	Issue No.	8
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	DWR_NA0010_11_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:39522					
EP_NO: N/A					
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: 4/18/2014					

No Photos

LM Start	3.04	Rating **	M	Issue No.	9
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	DWR_NA0010_11_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39523					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/16/2014 - 05/16/2014		11/06/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	10
LM End	3.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_NA0010_12_f_2014_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0010\_130\_10\_20141110\_00001.jpg



Looking at typical of levee in compliance with standards.

LM Start	0.40	Rating **	M	Issue No.	2
LM End	0.40	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200934 °	37.200934 °
				-120.747996 °	-120.747996 °
DWR ID	DWR_NA0010_12_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:36704					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.06	Rating **	M	Issue No.	3
LM End	1.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200922 °	37.200922 °
				-120.736012 °	-120.736012 °
DWR ID	DWR_NA0010_12_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:39889					
EP_NO: N/A					
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, 10.5 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 1.06).					
FS Date: 4/18/2014					

No Photos

LM Start	1.27	Rating **	M	Issue No.	4
LM End	1.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.732234 °	-120.732234 °
DWR ID	DWR_NA0010_12_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:36705 EP_NO: N/A 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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/06/2014 11/06/2014	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	5
LM End	1.53	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200913 °	37.200913 °
				-120.727496 °	-120.727496 °
DWR ID	DWR_NA0010_12_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:34126					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Limited access on landward side due to fence and dense vegetation. Recommend obtaining access to landward side and clear vegetation on landward side.					
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 1.53).					
FS Date: 4/18/2014					

No Photos

LM Start	2.16	Rating **	M	Issue No.	6
LM End	2.16	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200908 °	37.200908 °
				-120.716118 °	-120.716118 °
DWR ID	DWR_NA0010_12_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:39506					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/06/2014 11/06/2014	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.	7
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	DWR_NA0010_12_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:39890					
EP_NO: N/A					
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: 4/18/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/06/2014 11/06/2014	Richard Willoughby

LM Start	2.99	Rating **	U	Issue No.	8
LM End	2.99	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	DWR_NA0010_12_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:34129 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 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: 4/18/2014					

No Photos

LM Start	3.36	Rating **	M	Issue No.	9
LM End	3.36	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	DWR_NA0010_12_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39893					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Unable to confirm if crossing recorded as Unit 6					
9.735 is the same as this one. No way to measure diameter crossing					
has slide gate on landward side.					
FIELD_STRUCT_DESC: [Eastside Canal Siphon] 48-inch CM pipe					
through levee, 17.5 feet below the crown and under the channel. Slide					
gate on landward side. (USACE-1967). This entry matches the					
Drainage or Irrigation Structure referenced in O&M manual (HLM 3.36).					
FS Date: 4/18/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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)			<b>U</b>	
Date of Inspection	05/14/2014 - 05/14/2014		11/04/2014 - 11/04/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	3
LM End	0.14	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	0.30	Rating **	M	Issue No.	2
LM End	1.25	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	0.90	Rating **	M	Issue No.	5
LM End	0.90	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\_2014\_NA0010\_131\_5\_20141110\_00003.jpg



Looking east at unauthorized ramp on waterward slope. (Fall 2014)

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	5 (cont)	
LM End	0.90	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\_2014\_NA0010\_131\_5\_20141103\_00001.jpg



Looking west at unauthorized ramp on waterward slope.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : FA\_2014\_NA0010\_131\_5\_20141103\_00002.jpg



Looking east at unauthorized ramp on waterward slope.

LM Start	1.15	Rating **	M	Issue No.	1
LM End	1.15	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	DWR_NA0010_13_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:39877					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly. Pipe filled with soil on WS at outlet. Actuator missing from					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	11/04/2014 11/04/2014	Richard Willoughby

LM Start	1.15	Rating **	M	Issue No.	4
LM End	1.15	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	DWR_NA0010_13_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:39524					
EP_NO: N/A					
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: 3/27/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/14/2014 - 05/14/2014		11/04/2014 - 11/04/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

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- any changes other than the results of normal maintenance
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	2
LM End	1.25	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	0.00	Rating **	A	Issue No.	3
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032401 °	37.032401 °
				-120.441247 °	-120.441247 °
DWR ID	DWR_NA0010_14_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0010\_132\_3\_20141110\_00001.jpg



Looking at type view of levee in complies with standards.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	11/04/2014 11/04/2014	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	1
LM End	1.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.044906 °	37.044906 °
				-120.429695 °	-120.429695 °
DWR ID	DWR_NA0010_14_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:39526 EP_NO: N/A 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: 3/27/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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	05/14/2014 - 05/14/2014		11/04/2014 - 11/04/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.00	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\_2014\_NA0010\_133\_11\_20141110\_00002.jpg



Looking east at typical view of levee in complies with standards

Photo 2 of 2 : FA\_2014\_NA0010\_133\_11\_20141103\_00001.jpg



Looking east at vegetation on levee crown.

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>11 (cont)</b>
LM End	<b>1.99</b>	Issue Type +	Ma	Location *	CR

LM Start	1.00	Rating **	M	Issue No.	1
LM End	1.00	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996566 °	36.996566 °
				-120.392280 °	-120.392280 °
DWR ID	DWR_NA0010_15_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:39527					
EP_NO: N/A					
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.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	11/04/2014 11/04/2014	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	2
LM End	1.53	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996582 °	36.996582 °
				-120.382757 °	-120.382757 °
DWR ID	DWR_NA0010_15_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:32840 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Excessive vegetation at inlet on LS toe. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through the levee, 8.9 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 1.53). FS Date: 3/27/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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)			A	
Date of Inspection	05/14/2014 - 05/14/2014		11/04/2014 - 11/04/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	14
LM End	1.98	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\_2014\_NA0010\_134\_14\_20141103\_00001.jpg



Looking west at the properly maintained levee crown.

LM Start	1.46	Rating **	M	Issue No.	1
LM End	1.46	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995473 °	36.995473 °
				-120.382872 °	-120.382872 °
DWR ID	DWR_NA0010_16_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:39529					
EP_NO: N/A					
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: 4/1/2014 8:12:00 AM					

No Photos

LM Start	1.69	Rating **	M	Issue No.	4
LM End	1.69	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	11/04/2014 11/04/2014	Richard Willoughby

LM Start	1.77	Rating **	A/W	Issue No.	3
LM End	1.77	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	1.78	Rating **	M	Issue No.	2
LM End	1.78	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\_2014\_NA0010\_134\_2\_20141110\_00002.jpg



Looking at large rodent holes on landward slope.

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_134\_2\_20141110\_00003.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                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 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)			<b>U</b>	
Date of Inspection	05/13/2014 - 05/13/2014		11/05/2014 - 11/05/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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## Lower San Joaquin Levee District

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/05/2014 11/05/2014	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	1
LM End	2.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952254 °	36.952254 °
				-120.348804 °	-120.348804 °
DWR ID	DWR_NA0010_17 f _ 2014_1				

No Photos

Action/Comments					
Inspector Comments: FS_ID:39531 EP_NO: N/A 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: 4/1/2014					

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.					

Photo 1 of 1 : FA\_2014\_NA0010\_135\_8\_20141103\_00002.jpg



Looking at several rodent holes on landside slope.

* 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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/05/2014 11/05/2014	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.					

No Photos

LM Start	7.27	Rating **	M	Issue No.	5
LM End	7.39	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.					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/05/2014 11/05/2014	Richard Willoughby

LM Start	9.88	Rating **	M	Issue No.	2
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	DWR_NA0010_17_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:39532 EP_NO: N/A 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: 4/1/2014					

No Photos

LM Start	12.38	Rating **	M	Issue No.	3
LM End	13.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.820009 °	36.811370 °
				-120.300833 °	-120.304454 °
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.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/05/2014 11/05/2014	Richard Willoughby

LM Start	13.29	Rating **	M	Issue No.	6
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	DWR_NA0010_17_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:39533					
EP_NO: N/A					
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: 4/1/2014					

No Photos

LM Start	14.40	Rating **	U	Issue No.	9
LM End	14.40	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	DWR_NA0010_17_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39534					
EP_NO: 18568					
Repair Type: Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to confirm and obtain status of crossing. Markers misleading--unable to confirm if markers correspond to this crossing. Need markers at levee.					
FIELD_STRUCT_DESC: 30-inch steel gas pipeline through the levee approximately 60-feet below the crown. Location markers on waterside and landside. Provide field description of crossing. (Permit No. 18568-2010)					
FS Date: 4/1/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/05/2014 11/05/2014	Richard Willoughby

LM Start	14.69	Rating **	M	Issue No.	10
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	DWR_NA0010_17 f _2014_10				

No Photos

Action/Comments					
Inspector Comments: FS_ID:39535 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation buildup at LS toe--recommend clearing. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 14.0 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate 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 14.69). FS Date: 4/1/2014					

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 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)			<b>U</b>	
Date of Inspection	05/13/2014 - 05/13/2014		11/05/2014 - 11/05/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	11/05/2014 11/05/2014	Richard Willoughby

LM Start	1.43	Rating **	M	Issue No.	7
LM End	1.43	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.					

No Photos

LM Start	1.69	Rating **	M	Issue No.	2
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	DWR_NA0010_18_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:39503 EP_NO: 6603 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: 4/10/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	11/05/2014 11/05/2014	Richard Willoughby

LM Start	2.25	Rating **	U	Issue No.	4
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	DWR_NA0010_18_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:39504 EP_NO: 6603 Repair Type: Urgent Crossing Status: Found UCIP Comments: Subsidence present along pipe alignment on landward side. Modified crossing-- worked done on landward side. Need to contact owner to determine permit authorizing work. Dense vegetation on landward side--tall grass. Pipe wall cut and new pipe sleeved on landward side. FIELD_STRUCT_DESC: 15-inch steel pipe through the levee, 3.7 feet below the crown. Electrical conduit through the levee, 3.7 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: 4/10/2014					

No Photos

LM Start	6.51	Rating **	M	Issue No.	9
LM End	6.51	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	11/05/2014 11/05/2014	Richard Willoughby

LM Start	7.52	Rating **	M	Issue No.	6
LM End	7.52	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	DWR_NA0010_18_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:36843					
EP_NO: N/A					
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: 62-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 lanward side is reinforced concrete.					
FS Date: 4/10/2014					

No Photos

LM Start	8.04	Rating **	M	Issue No.	5
LM End	8.04	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.865074 °	36.865074 °
				-120.317996 °	-120.317996 °
DWR ID	DWR_NA0010_18_s_2014_5				
Action/Comments					
Garbage					
Inspector Comments: Trash on waterward slope.					

Photo 1 of 1 : FA\_2014\_NA0010\_137\_5\_20141103\_00002.jpg



Looking west at trash 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	11/05/2014 11/05/2014	Richard Willoughby

LM Start	10.95	Rating **	M	Issue No.	1
LM End	15.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.828100 °	36.774067 °
				-120.300105 °	-120.285532 °
DWR ID	DWR_NA0010_18_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control tumble weed on landside and waterside shoulder and slope.					

Photo 1 of 1 : FA\_2014\_NA0010\_137\_1\_20141110\_00003.jpg



Looking at typical view of tumble weeds on levee slopes.

LM Start	13.55	Rating **	M	Issue No.	3
LM End	15.12	Issue Type +	Ma	Location *	LS
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

LM Start	13.57	Rating **	M	Issue No.	8
LM End	13.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792684 °	36.792684 °
				-120.304542 °	-120.304542 °
DWR ID	DWR_NA0010_18_f _ 2014_8				
Action/Comments					
Inspector Comments: FS_ID:39505					
EP_NO: N/A					
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: 4/8/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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)			A	
Date of Inspection	05/12/2014 - 05/13/2014		11/04/2014 - 11/04/2014	
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).

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- 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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.10	Rating **	U	Issue No.	7
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	DWR_NA0010_22A_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:39874					
EP_NO: N/A					
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: 4/15/2014					

No Photos

LM Start	0.53	Rating **	M	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 brush on landward slope.					

Photo 1 of 1 : FA\_2014\_NA0010\_138\_21\_20141110\_00014.jpg



Looking south at dense brushes on landward slope.

LM Start	0.68	Rating **	A/W	Issue No.	8
LM End	0.88	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.86	Rating **	M	Issue No.	23
LM End	0.86	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\_2014\_NA0010\_138\_23\_20141110\_00015.jpg



Looking south at pulley on waterward shoulder.

LM Start	0.96	Rating **	M	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 excavated waterward slope.					

Photo 1 of 3 : FA\_2014\_NA0010\_138\_22\_20141110\_00016.jpg



Looking south at excavated waterward slope.

LM Start	<b>0.96</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.96</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2014\_NA0010\_138\_22\_20141110\_00017.jpg



Looking southeast at excavated 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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	0.96	Rating **	M	Issue No.	22 (cont)
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 excavated waterward slope.					

Photo 3 of 3 : FA\_2014\_NA0010\_138\_22\_20141110\_00018.jpg



Looking north at excavated waterward slope.

LM Start	1.57	Rating **	M	Issue No.	13
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	DWR_NA0010_22A_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:33733					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate rusted and does not function. Headwall burried 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: 4/15/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	2.65	Rating **	C	Issue No.	1
LM End	3.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.242563 °	37.253465 °
				-120.706435 °	-120.717952 °
DWR ID	DWR_NA0010_22A_s _ 2012_1				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: There are several slope stability issues along this channel cause by animals that need to be monitored. LMA repaired erosion sites along waterward slope.					

No Photos

LM Start	2.72	Rating **	M	Issue No.	14
LM End	2.72	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	DWR_NA0010_22A_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:33732					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate does not function and should be repaired.					
Headwall at LS toe not found.					

No Photos

LM Start	2.87	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.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	2.88	Rating **	C	Issue No.	16
LM End	2.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.245537 °	37.245537 °
				-120.708120 °	-120.708120 °
DWR ID	DWR_NA0010_22A_s _ 2014_16				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					

No Photos

LM Start	2.96	Rating **	C	Issue No.	17
LM End	2.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.246417 °	37.246417 °
				-120.709206 °	-120.709206 °
DWR ID	DWR_NA0010_22A_s _ 2014_17				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Several sites repaired in compliance with standards.					

No Photos

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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	3.47	Rating **	C	Issue No.	18
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.251630 °	37.251630 °
				-120.715682 °	-120.715682 °
DWR ID	DWR_NA0010_22A_s _ 2014_18				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: LMA repaired damage sites.					

No Photos

LM Start	3.54	Rating **	C	Issue No.	19
LM End	3.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.252410 °	37.253465 °
				-120.716658 °	-120.717974 °
DWR ID	DWR_NA0010_22A_s _ 2014_19				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Damaged sites repaired.					

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

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

No Photos

Looking east at old bridge in canal. (Fall 2014)

Page 7 of 13

## Lower San Joaquin Levee District

LM Start	<b>4.68</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>4.68</b>	Issue Type +	En	Location *	WS

Photo 3 of 4 : FA\_2014\_NA0010\_138\_3\_20141103\_00003.jpg



Looking northeast at dilapidated bridge across canal.

Photo 4 of 4 : FA\_2014\_NA0010\_138\_3\_20141103\_00004.jpg



Looking east at dilapidated bridge across canal.

LM Start	4.80	Rating **	M	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 caused by livestock on waterside toe.					

Photo 1 of 1 : FA\_2014\_NA0010\_138\_5\_20141103\_00007.jpg



Looking north at waterside erosion from 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



## Lower San Joaquin Levee District

No Photos

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	4 (cont)	
LM End	5.05	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.267516 °	37.267516 °	
				-120.736401 °	-120.736401 °	
DWR ID	DWR_NA0010_22A_f_2013_4					
Action/Comments						
Schedule repair of erosion site prior to the next inspection.						
Inspector Comments: Erosion caused by animal traffic.						

Photo 2 of 2 : FA\_2014\_NA0010\_138\_4\_20141103\_00006.jpg



Looking south livestock erosion on waterward toe.

LM Start	5.07	Rating **	C	Issue No.	9
LM End	5.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.267682 °	37.267967 °
				-120.736597 °	-120.736913 °
DWR ID	DWR_NA0010_22A_s _ 2012_9				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Minor rutting on levee crown.					

No Photos

LM Start	5.09	Rating **	C	Issue No.	57
LM End	5.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.267903 °	37.267903 °
				-120.736878 °	-120.736878 °
DWR ID	DWR_NA0010_22A_s_2012_57				
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	11/04/2014 11/04/2014	Richard Willoughby

LM Start	5.15	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\_2014\_NA0010\_138\_6\_20141103\_00008.jpg



Looking south at livestock erosion on waterward toe.

LM Start	<b>5.15</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>5.20</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0010\_138\_6\_20141103\_00009.jpg



Looking north at livestock erosion along waterside slope and toe.

LM Start	5.48	Rating **	M	Issue No.	20
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	DWR_NA0010_22A_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:39536					
EP_NO: N/A					
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.					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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)			<b>U</b>	
Date of Inspection	05/13/2014 - 05/13/2014		11/05/2014 - 11/05/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	4
LM End	0.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.772713 °	36.772713 °
				-120.280670 °	-120.280670 °
DWR ID	DWR_NA0010_23_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:39537					
EP_NO: N/A					
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: 4/3/2014					

No Photos

LM Start	1.16	Rating **	M	Issue No.	1
LM End	9.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772832 °	36.807632 °
				-120.265742 °	-120.168834 °
DWR ID	DWR_NA0010_23_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control tumble weeds on landward slope.					

No Photos

LM Start	1.19	Rating **	M	Issue No.	28
LM End	9.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772942 °	36.807626 °
				-120.265129 °	-120.168831 °
DWR ID	DWR_NA0010_23_f_2014_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control tumble weeds on waterward slope.					

No Photos

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

No Photos

Photo 1 of 3 : FA\_2014\_NA0010\_139\_14\_20141110\_00017.jpg



Looking south at repaired site on landward slope.

LM Start	<b>1.53</b>	Rating **	A/W	Issue No.	<b>14 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2014\_NA0010\_139\_14\_20141103\_00012.jpg



Looking south at slope damaged by vehicle traffic. (Fall 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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	1.53	Rating **	A/W	Issue No.	14 (cont)
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.772035 °	36.772035 °
				-120.259560 °	-120.259560 °
DWR ID	DWR_NA0010_23_f_2012_14				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 3 of 3 : FA\_2014\_NA0010\_139\_14\_20141103\_00013.jpg



Looking north at slope damaged by vehicle traffic.

LM Start	1.53	Rating **	M	Issue No.	29
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.772041 °	36.772041 °
				-120.259549 °	-120.259549 °
DWR ID	DWR_NA0010_23_f_2014_29				
Action/Comments					
Repair slope instability. Inspector Comments: Trench at landward toe. Trench is ten to twelve inches wide and twenty feet long.					

Photo 1 of 2 : FA\_2014\_NA0010\_139\_29\_20141110\_00018.jpg



Looking south at trench at landward toe.

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_139\_29\_20141110\_00019.jpg



Looking north at trench at landward toe.

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	1.63	Rating **	M	Issue No.	8
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	DWR_NA0010_23_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:39538					
EP_NO: N/A					
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					

No Photos

LM Start	2.13	Rating **	M	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\_2014\_NA0010\_139\_16\_20141103\_00015.jpg



Looking south at waterward slope damaged by vehicle traffic

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.					

Photo 1 of 1 : FA\_2014\_NA0010\_139\_15\_20141103\_00014.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

## Lower San Joaquin Levee District

Looking south at elderberry on landside toe and berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	4.14	Rating **	M	Issue No.	10
LM End	4.14	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.					

Photo 1 of 2 : FA\_2014\_NA0010\_139\_10\_20141103\_00009.jpg



Looking south at elderberry bush on landward toe. (Fall 2013)

LM Start	<b>4.14</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>4.14</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_139\_10\_20141103\_00010.jpg



Looking south at elderberry on landside toe and berm.

LM Start	4.46	Rating **	M	Issue No.	11
LM End	4.46	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.					

Photo 1 of 1 : FA\_2014\_NA0010\_139\_11\_20141103\_00011.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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	4.72	Rating **	U	Issue No.	19
LM End	4.72	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	DWR_NA0010_23_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:39539					
EP_NO: N/A					
Repair Type: 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: 4/3/2014					

No Photos

LM Start	4.86	Rating **	M	Issue No.	20
LM End	4.86	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	DWR_NA0010_23_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:39540					
EP_NO: N/A					
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: 4/3/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	5.23	Rating **	C	Issue No.	7
LM End	5.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.791400 °	36.791400 °
				-120.214222 °	-120.214222 °
DWR ID	DWR_NA0010_23_s_2012_7				
Action/Comments					
Material					
Inspector Comments: Sand pile in channel over three feet high. Pile is too close to levee.					

No Photos

LM Start	5.69	Rating **	M	Issue No.	5
LM End	5.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.792012 °	36.790972 °
				-120.206270 °	-120.202588 °
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\_2014\_NA0010\_139\_5\_20141103\_00005.jpg



Looking at several rodent holes on landside slope.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	5.69	Rating **	M	Issue No.	21
LM End	5.69	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	DWR_NA0010_23_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:39542 EP_NO: N/A 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: 4/3/2014					

No Photos

LM Start	7.06	Rating **	M	Issue No.	22
LM End	7.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778783 °	36.778783 °
				-120.192447 °	-120.192447 °
DWR ID	DWR_NA0010_23_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:39543					
EP_NO: N/A					
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.					
FS Date: 4/3/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	8.33	Rating **	M	Issue No.	23
LM End	8.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792476 °	36.792476 °
				-120.181255 °	-120.181255 °
DWR ID	DWR_NA0010_23_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:39544 EP_NO: N/A 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: 4/3/2014					

No Photos

LM Start	8.48	Rating **	A/W	Issue No.	17
LM End	8.48	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_2013_17				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Waterward slope has been damaged due to vehicle traffic.					

Photo 1 of 1 : FA\_2014\_NA0010\_139\_17\_20141103\_00016.jpg



Looking southwest at waterward slope damaged due to vehicle traffic.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	8.53	Rating **	M	Issue No.	24
LM End	8.53	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	DWR_NA0010_23_f_2014_24				
Action/Comments					
Inspector Comments: FS_ID:39545 EP_NO: N/A 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: 4/3/2014					

No Photos

LM Start	9.10	Rating **	C	Issue No.	2
LM End	9.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			36.802116 °	36.802116 °
				-120.173847 °	-120.173847 °
DWR ID					
Action/Comments					
Inspector Comments: 7/22/2014: No significant change observed. 07/11/2013. No significant change observed. Dense vegetation and small trees cover the entire site. 07/24/2012: Site has been repaired with riprap rocks and broken concrete blocks, but loose material and cracking are visible at the top of the repaired site. The site needs close monitoring for performance evaluation. 08/16/2011: This site is immediately downstream of the riparian protection section. Dense vegetation growing on the toe and slope of the bank seems to indicate the most part of the erosion occurred prior to last winter. The closest spot is 12 feet away from the levee toe. [2014 Site ID:NA0010U23RM224.27]					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	9.11	Rating **	A/W	Issue No.	18
LM End	9.51	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	9.21	Rating **	C	Issue No.	12
LM End	9.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			36.802898 °	36.802898 °
				-120.173278 °	-120.173278 °
DWR ID					
Action/Comments					
Inspector Comments: 07/22/2014: No significant change observed. 07/11/2013: No significant change observed. Cracking on the repaired site is still visible. Wooden debris is present in the river near the site. 07/24/2012: The site has been repaired with clay material, riprap rocks, and broken concrete blocks, but the loose material and large cracking at the repaired site are visible. Need monitoring for the performance during the coming high flow events. 08/16/2011: The erosion is cutting into the levee. The site is located at the outside of a river bend, and the erosions were caused by river flows during the last flooding season. The ground was covered by dense grasses. Animal burrow holes are visible. [2014 Site ID:NA0010U23RM224.33]					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	9.76	Rating **	U	Issue No.	25
LM End	9.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807768 °	36.807768 °
				-120.168848 °	-120.168848 °
DWR ID	DWR_NA0010_23_f_2014_25				
Action/Comments					
Inspector Comments: FS_ID:33066					
EP_NO: N/A					
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: 4/3/2014					

No Photos

LM Start	9.76	Rating **	U	Issue No.	26
LM End	9.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807777 °	36.807777 °
				-120.168843 °	-120.168843 °
DWR ID	DWR_NA0010_23_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:33063					
EP_NO: N/A					
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: 2 of 2: 48x63-inch 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. Guardrails on both shoulders. [Gravelly Ford Canal Irrigation Structure]					
FS Date: 4/3/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	11/05/2014 11/05/2014	Richard Willoughby

LM Start	9.83	Rating **	U	Issue No.	27
LM End	9.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.808749 °	36.808749 °
				-120.168824 °	-120.168824 °
DWR ID	DWR_NA0010_23_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:33044 EP_NO: 15399 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Need to install gasoline markers at crossing. FIELD_STRUCT_DESC: 6-inch gasoline through the levee at an unknown depth. Location identified on PG&E website. No signs on levee. FS Date: 4/1/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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)			<b>U</b>	
Date of Inspection	05/13/2014 - 05/13/2014		11/05/2014 - 11/05/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.00	Rating **	M	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	0.06	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\_2014\_NA0010\_140\_47\_20141103\_00003.jpg



Looking south at berm on waterward slope.

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0010\_140\_47\_20141103\_00004.jpg



Looking north 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	1
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	DWR_NA0010_24_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:33264					
EP_NO: N/A					
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					

No Photos

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.					

No Photos

LM Start	1.06	Rating **	M	Issue No.	4
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	DWR_NA0010_24_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:33265					
EP_NO: 13735					
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: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	1.25	Rating **	M	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\_2014\_NA0010\_140\_13\_20141110\_00005.jpg



Looking north at slope damage by vehicle traffic on landward slope.

LM Start	1.74	Rating **	M	Issue No.	5
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	DWR_NA0010_24_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:33266					
EP_NO: 13085					
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: 4/8/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	2.69	Rating **	M	Issue No.	8
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	DWR_NA0010_24_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:33267 EP_NO: 13735 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm 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: 4/8/2014					

No Photos

LM Start	3.46	Rating **	M	Issue No.	7
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.769345 °	36.769345 °
				-120.238370 °	-120.238370 °
DWR ID	DWR_NA0010_24_s_2012_7				
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\_2014\_NA0010\_140\_7\_20141103\_00002.jpg



Looking east at one of several rodent holes on landward slope.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	4.05	Rating **	M	Issue No.	9
LM End	4.05	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	DWR_NA0010_24_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:36849					
EP_NO: N/A					
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: 4/8/2014					

No Photos

LM Start	5.39	Rating **	A/W	Issue No.	2
LM End	6.46	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

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	6.33	Rating **	M	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.					

Photo 1 of 2 : FA\_2014\_NA0010\_140\_3\_20141110\_00006.jpg



Looking north at large pruning pile in channel.

Photo 2 of 2 : FA\_2014\_NA0010\_140\_3\_20141110\_00007.jpg



Looking south at large pruning pile in channel.

LM Start	6.72	Rating **	U	Issue No.	10
LM End	6.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.786632 °	36.786632 °
				-120.204733 °	-120.204733 °
DWR ID	DWR_NA0010_24_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:33270					
EP_NO: N/A					
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					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	11/05/2014 11/05/2014	Richard Willoughby

LM Start	8.32	Rating **	M	Issue No.	11
LM End	8.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778084 °	36.778084 °
				-120.184454 °	-120.184454 °
DWR ID	DWR_NA0010_24_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:33272					
EP_NO: N/A					
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: 4/8/2014					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 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)			A	
Date of Inspection	05/16/2014 - 05/16/2014		11/06/2014 - 11/06/2014	
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 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	1
LM End	0.00	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	DWR_NA0010_25_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:39501 EP_NO: N/A 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: 5/1/2014					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	2.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_NA0010_25_f_2014_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	9		
LM End	2.47	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation				°		°
					°		°
DWR ID	DWR_NA0010_25_f_2014_9						
Action/Comments							
Control annual grass and weeds on the levee slopes and easements.							

No Photos

LM Start	0.00	Rating **	A/W	Issue No.	8
LM End	2.47	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 2 : FA\_2014\_NA0010\_141\_8\_20141110\_00002.jpg



Looking north at typical view of levee crown in complies with standards.

Photo 2 of 2 : FA\_2014\_NA0010\_141\_8\_20141103\_00001.jpg



Looking north at typical view of vegetation on levee crown.

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.34	Rating **	M	Issue No.	2
LM End	0.34	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	DWR_NA0010_25_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:36851					
EP_NO: N/A					
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					

No Photos

LM Start	0.58	Rating **	M	Issue No.	3
LM End	0.58	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	DWR_NA0010_25_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:36852					
EP_NO: N/A					
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, 14.7 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 0.59).					
FS Date: 5/1/2014					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	11/06/2014 11/06/2014	Richard Willoughby

LM Start	0.96	Rating **	M	Issue No.	4
LM End	0.96	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	DWR_NA0010_25_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:36853					
EP_NO: N/A					
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: 5/1/2014					

No Photos

LM Start	2.03	Rating **	M	Issue No.	5
LM End	2.03	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	DWR_NA0010_25_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:36854					
EP_NO: N/A					
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, 4.0 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 2.05).					
FS Date: 5/1/2014					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	11/06/2014 11/06/2014	Richard Willoughby

LM Start	2.44	Rating **	M	Issue No.	6
LM End	2.44	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	DWR_NA0010_25_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:39502 EP_NO: N/A 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: 5/1/2014 4:04:00 PM					

No Photos

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