

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

RD0070 Reclamation District No. 0070 Meridian	Overall LMA Rating	Total LMA Miles						
	<b>A</b>	<b>23.41</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	0.01		0.01	0.04%	3.69	0.03		
Slope Stability	0.02		0.02	0.09%				
Erosion / Bank Caving	0.02		0.02	0.09%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.80		0.80	3.42%				
DWR UCIP Field Study					0.55	0.03		
<i>LMA Totals:</i>	0.85	0.00	0.85	3.63%	4.24	0.06	0.00	0.00
<b>Unit No. 01 Sutter Bypass RB</b>								
RD0070	Overall Unit Rating	Total Unit Miles						
	<b>A</b>	<b>7.92</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>								
Encroachments	0.01		0.01	0.13%	0.02			
Slope Stability	0.01		0.01	0.13%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.20			
<i>Unit Totals:</i>	0.02	0.00	0.02	0.25%	0.22	0.00	0.00	0.00
<b>Unit No. 02 Sacramento River LB</b>								
RD0070	Overall Unit Rating	Total Unit Miles						
	<b>A</b>	<b>15.50</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					3.67	0.03		
Slope Stability	0.01		0.01	0.07%				
Erosion / Bank Caving	0.02		0.02	0.13%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.80		0.80	5.16%				
DWR UCIP Field Study					0.35	0.03		
<i>Unit Totals:</i>	0.83	0.00	0.83	5.36%	4.02	0.06	0.00	0.00

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

**Reclamation District No. 0070 Meridian**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			<b>A</b>	

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Reclamation District No. 0070 Meridian**

Waterway		Bank	Unit Miles	
Unit No. 01 Sutter Bypass		Right	7.92	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/16/2015 - 03/16/2015		11/06/2015 - 11/06/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Andy Duffey		Andy Duffey	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	<b>12</b>
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD0070_01_f_2015_12				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>13</b>
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD0070_01_s_2013_13				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>14</b>
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0070_01_s_2013_14				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>0.42</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2157.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23463  
 DS\_ID:21347  
 EP\_NO: 3804  
 FS\_HLM: 0.4376  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD1\_2012\_p\_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart.  
 FIELD\_STRUCT\_DESC: 12-inch steel gas pipe through the levee, 3.6 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3804-1961)  
 FS Date: 10/21/2013

View of gas line markers approximately 900 feet away.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	41 (cont)
LM End	0.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.141519 °	39.141519 °
DWR ID				-121.839585 °	-121.839585 °
Action/Comments					
Inspector Comments: FS_ID:23463 DS_ID:21347 EP_NO: 3804 FS_HLM: 0.4376 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart. FIELD_STRUCT_DESC: 12-inch steel gas pipe through the levee, 3.6 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3804-1961) FS Date: 10/21/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2182.jpg



View of landward side where gas line markers are visible approximately 900 feet from levee.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	41 (cont)
LM End	0.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23463 DS_ID:21347 EP_NO: 3804 FS_HLM: 0.4376 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart. FIELD_STRUCT_DESC: 12-inch steel gas pipe through the levee, 3.6 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3804-1961) FS Date: 10/21/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2183.jpg



View of waterward side--no markers visible.

LM Start	0.46	Rating **	C	Issue No.	11
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
			Start	End	
Item	Erosion / Bank Caving			39.141909 °	39.141909 °
				-121.840141 °	-121.840141 °
DWR ID	DWR_RD0070_01_s_2013_11				
Action/Comments					
Note and monitor erosion site. Inspector Comments: RD 70 repaired erosion along the waterside 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  
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**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23227 DS_ID:21348 EP_NO: N/A FS_HLM: 0.58 Repair Type: Non-Urgent Crossing Status: Not Found					

No Photos

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23384 DS_ID:21415 EP_NO: 15936 FS_HLM: 0.58 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No markers visible on levee slope or levee toe to indicate line crosses levee. Need to contact PG&E to confirm location through levee. Also need to confirm the emergency contact person for this crossing. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.5 feet below the crown. Gas line markers on the landward side. (Permit No. 15936-2005) FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2326.jpg



View of markers on the west side of S. Tarke Road.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23384 DS_ID:21415 EP_NO: 15936 FS_HLM: 0.58 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No markers visible on levee slope or levee toe to indicate line crosses levee. Need to contact PG&E to confirm location through levee. Also need to confirm the emergency contact person for this crossing. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.5 feet below the crown. Gas line markers on the landward side. (Permit No. 15936-2005) FS Date: 10/21/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2327.jpg



delete

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_2328.jpg



View of markers on the east side of S. Tarke Road.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23228 DS_ID:21349 EP_NO: 4994 FS_HLM: 0.58 Repair Type: Non-Urgent Crossing Status: Not Found					

No Photos

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142682 °	39.142682 °
				-121.841913 °	-121.841913 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23503 DS_ID:21351 EP_NO: 3686 FS_HLM: 0.6 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 and appurtenances. Unable to find the gate valve on landward side. Walkway on waterward side in bad shape. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0300 for 18 inch pipe. Pipe on LS is 10 inch not 18 inch. SEE UCIP DS_ID 21350 for details pertaining to 18 inch pipe. FIELD_STRUCT_DESC: 10-inch pipe and electrical conduit through the levee, 14.8 and 1.0 feet below the crown, respectively. Gate valve on landward end--not found during 10/21/13 pipe inventory. Pump on pile structure in stream. Walkway to slide gate on waterward end. Rock revetment on waterward slope. Pump and concrete support piers at waterward toe installed under Permit No. 3686 (1963). Service pole with meter and control panel at landward toe. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2158.jpg



View of levee crown looking downstream.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.63</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>0.63</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23467 DS_ID:21354 EP_NO: 14802 FS_HLM: 0.67 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Markers found about 159 feet upstream of coordinates at the crossing of the ramp and S. Tarke Road (39.142684, -121.842685). FIELD_STRUCT_DESC: 4-inch steel gas pipe through the levee, 2.5 feet below the crown. Aluminum pipe marker on landward slope. (Permit No. 14802-1987) Contact emergency information for Pacific Gas & Electric Company 1-800-344-4749? 4742? or 1-916-742-3251. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2184.jpg



Close-up of the additional appurtenances for gas line located landward side.

LM Start	<b>0.63</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>0.63</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2185.jpg



Additional appurtenances for gas line located at landward side near S. Tarke Rd.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.63</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>0.63</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23467 DS_ID:21354 EP_NO: 14802 FS_HLM: 0.67 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2186.jpg



Underground Service Alert (USA) flag located at the end of Hwy 20 confirming gas line goes through.

LM Start	<b>0.70</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>0.70</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23526 DS_ID:21355 EP_NO: 9961 FS_HLM: 0.745 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend addressing burrow activity at this location. Also recommend having owner clear vegetation blocking access along walkway. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_290. FIELD_STRUCT_DESC: 10-inch (not 12-inch as noted in desk study) steel pipe through the levee, 5.4 feet below the crown. Siphon breaker in CM pipe riser on landward slope. 24-inch concrete standpipe at landward toe. Walkway to pump on pile structure in stream. This pipe was retained under ABO No. 9961 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2140.jpg



View of levee crown and waterward berm looking upstream from crossing.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	0.70	Rating **	M	Issue No.	47 (cont)
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23526 DS_ID:21355 EP_NO: 9961 FS_HLM: 0.745 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend addressing burrow activity at this location. Also recommend having owner clear vegetation blocking access along walkway. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_290. FIELD_STRUCT_DESC: 10-inch (not 12-inch as noted in desk study) steel pipe through the levee, 5.4 feet below the crown. Siphon breaker in CM pipe riser on landward slope. 24-inch concrete standpipe at landward toe. Walkway to pump on pile structure in stream. This pipe was retained under ABO No. 9961 (1974). FS Date: 10/21/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2141.jpg



View of standpipe and CMP riser located on landward side.

LM Start	0.70	Rating **	M	Issue No.	47 (cont)
LM End	0.70	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_2142.jpg



View of levee crown and waterward berm looking downstream from crossing.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>0.90</b>	Rating **	C	Issue No.	<b>1</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.146211 °	39.146211 °
				-121.844551 °	-121.844551 °
DWR ID	DWR_RD0070_01_s_2012_1				
Action/Comments					
Building Inspector Comments: The landowner dismantled the building next to the landside toe.					

No Photos

LM Start	<b>1.81</b>	Rating **	C	Issue No.	<b>33</b>
LM End	<b>1.81</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.151635 °	39.151635 °
				-121.856550 °	-121.856550 °
DWR ID	DWR_RD0070_01_f_2014_33				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: The district repaired the rodent holes.					

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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>1.83</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151786 °	39.151786 °
				-121.856875 °	-121.856875 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2199.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23508  
 DS\_ID:21336  
 EP\_NO: N/A  
 FS\_HLM: 1.889  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE\_CESPK\_MRD1\_2012\_p\_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch.  
 FIELD\_STRUCT\_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box (7 ft by 9 ft) at landward toe. Service pole on waterward slope. Pump on concrete sump on waterward slope. Overhead power line crosses levee at location. This pipe was retained under ABO No. 9948 (1974) issued to Edward E. and Doris M. Nall. Permit No. 613 issued in May 29, 1934 is for 12 inch pipe issued to Waldo Nall.  
 FS Date: 10/21/2013

Dense burrow activity found 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>1.83</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151786 °	39.151786 °
				-121.856875 °	-121.856875 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2200.jpg



View of waterward side.

**Action/Comments**

Inspector Comments: FS\_ID:23508  
 DS\_ID:21336  
 EP\_NO: N/A  
 FS\_HLM: 1.889  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE\_CESPK\_MRD1\_2012\_p\_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch.  
 FIELD\_STRUCT\_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box (7 ft by 9 ft) at landward toe. Service pole on waterward slope. Pump on concrete sump on waterward slope. Overhead power line crosses levee at location. This pipe was retained under ABO No. 9948 (1974) issued to Edward E. and Doris M. Nall. Permit No. 613 issued in May 29, 1934 is for 12 inch pipe issued to Waldo Nall.  
 FS Date: 10/21/2013

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	1.83	Rating **	M	Issue No.	48 (cont)
LM End	1.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151786 °	39.151786 °
				-121.856875 °	-121.856875 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23508 DS_ID:21336 EP_NO: N/A FS_HLM: 1.889 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE_CESPK_MRD1_2012_p_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box (7 ft by 9 ft) at landward toe. Service pole on waterward slope. Pump on concrete sump on waterward slope. Overhead power line crosses levee at location. This pipe was retained under ABO No. 9948 (1974) issued to Edward E. and Doris M. Nall. Permit No. 613 issued in May 29, 1934 is for 12 inch pipe issued to Waldo Nall. FS Date: 10/21/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2201.jpg



View of levee crown looking upstream from crossing.

LM Start	2.53	Rating **	C	Issue No.	32
LM End	2.53	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.156513 °	39.156513 °
				-121.868087 °	-121.868087 °
DWR ID	DWR_RD0070_01_s_2015_32				
Action/Comments					
Tree or limb Inspector Comments: The tree was removed from the waterside 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>2.82</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>2.82</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:23530 DS_ID:21322 EP_NO: N/A FS_HLM: 2.879 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2179.jpg



View of waterward side.

LM Start	<b>2.82</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>2.82</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2180.jpg



Waterward side covered by vegetation.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>2.82</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>2.82</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23530 DS_ID:21322 EP_NO: N/A FS_HLM: 2.879 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2181.jpg



View of waterward slope.

LM Start	<b>3.14</b>	Rating **	A	Issue No.	<b>39</b>
LM End	<b>3.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.158018 °	39.158018 °
				-121.878985 °	-121.878985 °
DWR ID	DWR_RD0070_01_f_2015_39				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The district burned and dragged both slopes.					

Photo 1 of 1 : FA\_2015\_RD0070\_29\_39\_20151109\_00034.jpg



View of the no vegetation on both slopes.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>3.37</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>3.37</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156437 °	39.156437 °
				-121.882519 °	-121.882519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23506 DS_ID:21361 EP_NO: 9944 FS_HLM: 3.43 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on levee slopes. Multiple pipes found on landward side--are these pipes part of original crossing? This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0291--no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 21.5 feet below the crown. Gate valve on the waterward end. Discharges into concrete box on the landward side. Rock revetment on waterward slope. This pipe was retained under ABO No. 9944 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2169.jpg



Recent burrow activity soil months next to holes.

Photo 2 of 3 : UCIP\_FA\_2015\_2170.jpg



View of waterward side slope and berm.

LM Start	<b>3.37</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>3.37</b>	Issue Type +	En	Location *	LS

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>3.37</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>3.37</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156437 °	39.156437 °
				-121.882519 °	-121.882519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23506 DS_ID:21361 EP_NO: 9944 FS_HLM: 3.43 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2198.jpg



U shaped concrete box located on waterward side contains pump, motor, stairs, and pipe.

LM Start	<b>3.63</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>3.63</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23510 DS_ID:21362 EP_NO: 9944 FS_HLM: 3.697 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0183 no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 19.5 feet below the crown. Slide gate on waterward end. Pump on waterward side. Concrete distribution box on landward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 180+50). This pipe was retained under ABO No. 9944 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2209.jpg



View of appurtenances located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>3.63</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.63</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:23510 DS_ID:21362 EP_NO: 9944 FS_HLM: 3.697 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0183 no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 19.5 feet below the crown. Slide gate on waterward end. Pump on waterward side. Concrete distribution box on landward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 180+50). This pipe was retained under ABO No. 9944 (1974). FS Date: 10/21/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2210.jpg



Concrete head wall and screw gate at waterward 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>3.63</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.63</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID					

Photo 3 of 3 : UCIP\_FA\_2015\_2211.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23510  
 DS\_ID:21362  
 EP\_NO: 9944  
 FS\_HLM: 3.697  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD1\_2012\_p\_0183 no USACE recommendation letter available.  
 FIELD\_STRUCT\_DESC: 18-inch pipe through the levee, 19.5 feet below the crown. Slide gate on waterward end. Pump on waterward side. Concrete distribution box on landward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 180+50). This pipe was retained under ABO No. 9944 (1974).  
 FS Date: 10/21/2013

View of waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>4.59</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>4.59</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167406 °	39.167406 °
				-121.899277 °	-121.899277 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23516 DS_ID:21339 EP_NO: 9951 FS_HLM: 4.661 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_0685.jpg



Concrete distribution box located at landward toe.

LM Start	<b>4.60</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>4.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.167597 °	39.167597 °
				-121.899363 °	-121.899363 °
DWR ID	DWR_RD0070_01_f_2015_38				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the waterside slope.					

Photo 1 of 1 : FA\_2015\_RD0070\_29\_38\_20151109\_00038.jpg



View of the prunings along the waterside 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	<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>4.71</b>	Rating **	M	Issue No.	<b>54</b>
LM End	<b>4.71</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.168832 °	39.168832 °
				-121.900436 °	-121.900436 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23517 DS_ID:21340 EP_NO: 9954 FS_HLM: 4.778 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on waterward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0134. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 19.0 feet below the crown. Slide gate on the waterward. Concrete distribution box at landward toe. This pipe was retained under ABO No. 9954 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0689.jpg



View of pipe located on waterward side.

LM Start	<b>4.71</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>4.71</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_0690.jpg



View of slide gate on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>4.71</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>4.71</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.168832 °	39.168832 °
				-121.900436 °	-121.900436 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23517 DS_ID:21340 EP_NO: 9954 FS_HLM: 4.778 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_0691.jpg



delete

LM Start	<b>4.99</b>	Rating **	M	Issue No.	<b>55</b>
LM End	<b>4.99</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172334 °	39.172334 °
				-121.902998 °	-121.902998 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23518 DS_ID:21338 EP_NO: 9940 FS_HLM: 5.057 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 19.0 feet below the crown. Cutoff wall around pipe at center of levee. Slide gate in concrete distribution box on landward side. Pump on waterward side. Discharges into concrete box on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 251+30). This pipe was retained under ABO No. 9940 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0564.jpg



Screw gate located inside concrete distribution box located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	4.99	Rating **	M	Issue No.	55 (cont)
LM End	4.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.172334 °	39.172334 °
DWR ID				-121.902998 °	-121.902998 °
Action/Comments					
Inspector Comments: FS_ID:23518 DS_ID:21338 EP_NO: 9940 FS_HLM: 5.057 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 19.0 feet below the crown. Cutoff wall around pipe at center of levee. Slide gate in concrete distribution box on landward side. Pump on waterward side. Discharges into concrete box on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 251+30). This pipe was retained under ABO No. 9940 (1974). FS Date: 10/21/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_0692.jpg



View of waterward side--pipe and concrete distribution box.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	4.99	Rating **	M	Issue No.	55 (cont)
LM End	4.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172334 °	39.172334 °
				-121.902998 °	-121.902998 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23518 DS_ID:21338 EP_NO: 9940 FS_HLM: 5.057 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 19.0 feet below the crown. Cutoff wall around pipe at center of levee. Slide gate in concrete distribution box on landward side. Pump on waterward side. Discharges into concrete box on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 251+30). This pipe was retained under ABO No. 9940 (1974). FS Date: 10/21/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_0693.jpg



View of waterward slope.

LM Start	5.41	Rating **	M	Issue No.	56
LM End	5.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176780 °	39.176780 °
				-121.908025 °	-121.908025 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23519 DS_ID:21357 EP_NO: 9957 FS_HLM: 5.484 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity on slopes -- recommend addressing issue. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0110. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.5 feet below the crown. Siphon breaker in CM pipe riser on landward slope. Pump on waterward slope. Discharges into concrete box and service pole at landward toe. This pipe was retained under ABO No. 9957 (1975). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0565.jpg



View of waterward side--pump, pipe, and walkway.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	5.41	Rating **	M	Issue No.	56 (cont)
LM End	5.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
	Start		End		
Item	DWR UCIP Field Study			39.176780 °	39.176780 °
DWR ID				-121.908025 °	-121.908025 °
Action/Comments					
Inspector Comments: FS_ID:23519 DS_ID:21357 EP_NO: 9957 FS_HLM: 5.484 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity on slopes -- recommend addressing issue. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0110. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.5 feet below the crown. Siphon breaker in CM pipe riser on landward slope. Pump on waterward slope. Discharges into concrete box and service pole at landward toe. This pipe was retained under ABO No. 9957 (1975). FS Date: 10/21/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_0566.jpg



View of landward slope.

LM Start	5.41	Rating **	M	Issue No.	56 (cont)
LM End	5.41	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_2342.jpg



Pipe and electrical conduit exposed on levee berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>5.96</b>	Rating **	A	Issue No.	<b>40</b>
LM End	<b>5.96</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.184633 °	39.184633 °	
			-121.909402 °	-121.909402 °	
DWR ID	DWR_RD0070_01_f_2015_40				
Action/Comments					
Pipe Inspector Comments: The property owner replaced the existing 14 inch diameter pipe with a new 16 inch diameter steel pipe.					

Photo 1 of 1 : FA\_2015\_RD0070\_29\_40\_20151119\_00045.jpg



View where new 16-inch diameter steel irrigation pipe was replaced.

LM Start	<b>6.08</b>	Rating **	C	Issue No.	<b>35</b>
LM End	<b>6.08</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.186197 °	39.186197 °	
			-121.910308 °	-121.910308 °	
DWR ID	DWR_RD0070_01_s_2015_35				
Action/Comments					
Tree or limb Inspector Comments: The district removed the tree from the waterside 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>6.12</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>6.12</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23479 DS_ID:21360 EP_NO: 4867 FS_HLM: 6.1938 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. 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: 6.5-inch steel gas pipe through the levee, 4.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Rock revetment on waterward slope. (Permit No. 4867-1966) FS Date: 10/21/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0552.jpg



View of waterward side.

LM Start	<b>6.12</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>6.12</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_0553.jpg



Pipeline marker on landward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>6.12</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>6.12</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23479 DS_ID:21360 EP_NO: 4867 FS_HLM: 6.1938 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_0554.jpg



View of landward side.

LM Start	<b>6.18</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>6.18</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.187481 °	39.187481 °
				-121.910852 °	-121.910852 °
DWR ID	DWR_RD0070_01_s_2012_6				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Repair the erosion along the waterside slope.					

Photo 1 of 2 : FA\_2015\_RD0070\_29\_6\_20150910\_00002.jpg



View of vehicle erosion along the waterside slope.

LM Start	<b>6.18</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>6.18</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2015\_RD0070\_29\_6\_20151109\_00043.jpg



View of the vehicle erosion along the waterside 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>6.58</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>6.58</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.192336 °	39.192336 °
				-121.914637 °	-121.914637 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46422 DS_ID:21341 EP_NO: 9960 FS_HLM: 6.659 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	<b>6.58</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>6.58</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_FA\_2015\_2343.jpg



View of waterward slope and pipe at levee toe.

Photo 2 of 3 : UCIP\_FA\_2015\_2344.jpg



View of waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>6.58</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>6.58</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.192336 °	39.192336 °
				-121.914637 °	-121.914637 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46422 DS_ID:21341 EP_NO: 9960 FS_HLM: 6.659 Repair Type: Non-Urgent Crossing Status: Found					



Overview of levee crown at crossing. No change from last inspection.

LM Start	<b>6.74</b>	Rating **	M	Issue No.	<b>59</b>
LM End	<b>6.74</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194042 °	39.194042 °
				-121.916630 °	-121.916630 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23523 DS_ID:21342 EP_NO: N/A FS_HLM: 6.82 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if this is an irrigation pipe or groundwater pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0062--no permit available. FIELD_STRUCT_DESC: 8-inch (not 12-inch as found in desk study) pipe through the levee. Pump and service pole at landward toe. FS Date: 10/21/2013					



Pump system and pipe on landward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>6.74</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>6.74</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194042 °	39.194042 °
				-121.916630 °	-121.916630 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23523 DS_ID:21342 EP_NO: N/A FS_HLM: 6.82 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if this is an irrigation pipe or groundwater pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0062--no permit available. FIELD_STRUCT_DESC: 8-inch (not 12-inch as found in desk study) pipe through the levee. Pump and service pole at landward toe. FS Date: 10/21/2013					

Photo 2 of 2 : UCIP\_FA\_2015\_2346.jpg



View of landward side.

LM Start	<b>7.16</b>	Rating **	C	Issue No.	<b>36</b>
LM End	<b>7.16</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.196177 °	39.196177 °
				-121.922828 °	-121.922828 °
DWR ID	DWR_RD0070_01_s_2015_36				
Action/Comments					
Tree or limb Inspector Comments: The district remove the tree from the waterside 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>7.25</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>7.25</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.196603 °	39.196603 °	
			-121.924175 °	-121.924175 °	
DWR ID	DWR_RD0070_01_f_2015_37				
Action/Comments					
Material Inspector Comments: The landowner need to remove the garbage and material from the waterside toe.					

Photo 1 of 1 : FA\_2015\_RD0070\_29\_37\_20151109\_00041.jpg



View of the garbage and material along the waterside toe.

LM Start	<b>7.53</b>	Rating **	C	Issue No.	<b>10</b>
LM End	<b>7.53</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.196703 °	39.196703 °	
			-121.929372 °	-121.929372 °	
DWR ID	DWR_RD0070_01_s_2013_10				
Action/Comments					
Pipe Inspector Comments: The landowner repair leaking pipe on L/S.					

No Photos

LM Start	<b>7.80</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>7.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.195148 °	39.195148 °	
			-121.933849 °	-121.933849 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23529 DS_ID:21345 EP_NO: 9942 FS_HLM: 7.884 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2143.jpg



delete

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>7.80</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>7.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2144.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23529  
 DS\_ID:21345  
 EP\_NO: 9942  
 FS\_HLM: 7.884  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD1\_2012\_p\_0005.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 16.5 feet below the crown. Slide gate in CM pipe rise on waterward slope. Incline pump on waterward side. Discharges to concrete box at the landward toe. Service pole on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 330+00). This pipe was retained under ABO No. 9942 (1974).  
 FS Date: 10/21/2013

CMP riser with screw gate inside. Gate is missing the handle to close gate.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	11/06/2015 11/06/2015	Bob Duffey

LM Start	<b>7.80</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>7.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:23529 DS_ID:21345 EP_NO: 9942 FS_HLM: 7.884 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0005. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 16.5 feet below the crown. Slide gate in CM pipe rise on waterward slope. Incline pump on waterward side. Discharges to concrete box at the landward toe. Service pole on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 330+00). This pipe was retained under ABO No. 9942 (1974). FS Date: 10/21/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2145.jpg



View of 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**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Reclamation District No. 0070 Meridian**

Waterway		Bank	Unit Miles	
Unit No. 02 Sacramento River		Left	15.50	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/16/2015 - 03/16/2015		11/02/2015 - 11/02/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Andy Duffey		Andy Duffey	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.193219 °	39.190038 °
				-121.935783 °	-121.934199 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Loss of cobble revetment in levee section. 2004 - New fresh erosion in a short section of the downstream end. 2010 - New deposition on cobbles. 2015: No observed changes. [2015 Site ID: SAC_138-1_L]					

Photo 1 of 1 : USACE2013A\_SAC\_138-1\_L\_5.jpg



USACE 2013 Photo #1

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>772</b>
LM End	<b>0.05</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23952 DS_ID:21382 EP_NO: 12707 FS_HLM: 0.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on metal (not timber as noted in desk study) platform on waterward side. 36-inch concrete standpipe (not found during 10/2013 inspection) and service pole at landward toe. Rock revetment on waterward slope. (Permit No. 12707-1979) FS Date: 10/22/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2656.jpg



View of pump on waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>772 (cont)</b>
LM End	<b>0.05</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:23952 DS_ID:21382 EP_NO: 12707 FS_HLM: 0.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on metal (not timber as noted in desk study) platform on waterward side. 36-inch concrete standpipe (not found during 10/2013 inspection) and service pole at landward toe. Rock revetment on waterward slope. (Permit No. 12707-1979) FS Date: 10/22/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2657.jpg



View of waterward side--siphon breaker housing unit, pipe daylight, pump, and platform.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	0.05	Rating **	M	Issue No.	772 (cont)
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
	Start		End		
Item	DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23952 DS_ID:21382 EP_NO: 12707 FS_HLM: 0.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on metal (not timber as noted in desk study) platform on waterward side. 36-inch concrete standpipe (not found during 10/2013 inspection) and service pole at landward toe. Rock revetment on waterward slope. (Permit No. 12707-1979) FS Date: 10/22/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2658.jpg



View of levee slope on landward side.

LM Start	0.64	Rating **	M	Issue No.	67
LM End	0.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
	Start		End		
Item	Encroachments			39.187498 °	39.187498 °
				-121.938445 °	-121.938445 °
DWR ID	DWR_RD0070_02_f_2014_67				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_67\_20151116\_00051.jpg



View of the prunings along the 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>773</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183211 °	39.183211 °
				-121.943237 °	-121.943237 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42923 DS_ID:21412 EP_NO: 1575 FS_HLM: 1.05 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris scattered on waterward side. Concrete structure on waterward side shows major cracks on the walls. Will need to notify owner. Need to obtain maintenance records to confirm integrity of pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0075. FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 17.0 feet below the crown. Pump in pump house and slide gate (10-inch) on waterward side. Concrete collar at waterward toe. Power pole on waterward slope, anchor on landward slope. Rock revetment on waterward slope. (Permit No. 1575-1959) FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2856.jpg



View of waterward side--appurtenances present pump house, concrete distribution box, screw gate, and power pole.

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>773 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2857.jpg



Pump station on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>773 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183211 °	39.183211 °
				-121.943237 °	-121.943237 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42923 DS_ID:21412 EP_NO: 1575 FS_HLM: 1.05 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2858.jpg



Inside view of concrete distribution box located on waterward side.

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>1.18</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.181247 °	39.181247 °
				-121.943808 °	-121.943808 °
DWR ID	DWR_RD0070_02_f_2012_12				
Action/Comments					
Building					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_12\_20150910\_00009.jpg



View of the buildings along the waterside toe of the levee.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	1.35	Rating **	M	Issue No.	774	
LM End	1.35	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.178895 °	39.178895 °	
				-121.943340 °	-121.943340 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:23885 DS_ID:21365 EP_NO: 9973 FS_HLM: 1.36 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cut to levee toe found on landward side. Unable to determine if crossing is being used. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0099. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 18.8 feet below the crown. Slide gate on gate structure on waterward side. Slant pump on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 399+34). This pipe was retained under ABO No. 9973 (1974). FS Date: 10/22/2013						

Photo 1 of 3 : UCIP\_FA\_2015\_2473.jpg



View of waterward slope.

LM Start	1.35	Rating **	M	Issue No.	774 (cont)
LM End	1.35	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2474.jpg



Concrete structure located on waterward side with screw gate.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>1.35</b>	Rating **	M	Issue No.	<b>774 (cont)</b>
LM End	<b>1.35</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.178895 °	39.178895 °
				-121.943340 °	-121.943340 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23885 DS_ID:21365 EP_NO: 9973 FS_HLM: 1.36 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2564.jpg



Overview of waterward slope.

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>1.90</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.173912 °	39.172344 °
				-121.938745 °	-121.937925 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Toe erosion on a cobble revetment on the outside of a low receding bend. 2012 - Toe appears pretty stable with old cobbles. 2015: No observed changes. [2015 Site ID: SAC_136-6_L]					

Photo 1 of 2 : USACE2013A\_SAC\_136-6\_L\_5.jpg



USACE 2013 Photo #1

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A\_SAC\_136-6\_L\_9.jpg



USACE 2013 Photo #2

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>775</b>
LM End	<b>1.87</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23888 DS_ID:21366 EP_NO: 9996 FS_HLM: 1.887 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2242.jpg



View of levee crown and waterward side.

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>775 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2243.jpg



View of U-concrete headwall with positive closure device, photo 1 of 2.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>775 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23888 DS_ID:21366 EP_NO: 9996 FS_HLM: 1.887 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2244.jpg



View of slope on waterward side.

LM Start	<b>2.16</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>2.32</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168854 °	39.166503 °
				-121.936223 °	-121.935547 °
DWR ID	DWR_RD0070_02_s_2012_1				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_1\_20150910\_00001.jpg



Agricultural ditch along the 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.34</b>	Rating **	U	Issue No.	<b>776</b>
LM End	<b>2.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166298 °	39.166298 °
DWR ID				-121.935570 °	-121.935570 °
<b>Action/Comments</b>					
Inspector Comments: FS_ID:46407 DS_ID:21367 EP_NO: 1158 FS_HLM: 2.354 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe was running during site visit. Scour hole located at landward side (LS) toe is still present. New signs of stress on slope are visible on LS near concrete box. On the waterward side (WS) 2 leaks are present. The first leak is located at the pipe joint near the WS toe, the joint connection is leaking significantly. The second potential leak is near the pipe daylight on WS. Unable to confirm cause of leak but downstream seepage is present along pipe alignment. Seepage indicates that pipe may be leaking and causing internal erosion and void along pipe alignment. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 4.1 feet below the crown. Pump in pumphouse on waterward shoulder on concrete stand. Pipe discharges into concrete box at landward toe. Walkway to pumphouse on waterward side. (Permit No. 1158-1946) FS Date: 07/28/2015					



View of landward side and county road (N. Meridian Road).

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.34</b>	Rating **	U	Issue No.	<b>776 (cont)</b>
LM End	<b>2.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166298 °	39.166298 °
DWR ID				-121.935570 °	-121.935570 °
Action/Comments					
Inspector Comments: FS_ID:46407 DS_ID:21367 EP_NO: 1158 FS_HLM: 2.354 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe was running during site visit. Scour hole located at landward side (LS) toe is still present. New signs of stress on slope are visible on LS near concrete box. On the waterward side (WS) 2 leaks are present. The first leak is located at the pipe joint near the WS toe, the joint connection is leaking significantly. The second potential leak is near the pipe daylight on WS. Unable to confirm cause of leak but downstream seepage is present along pipe alignment. Seepage indicates that pipe may be leaking and causing internal erosion and void along pipe alignment. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 4.1 feet below the crown. Pump in pumphouse on waterward shoulder on concrete stand. Pipe discharges into concrete box at landward toe. Walkway to pumphouse on waterward side. (Permit No. 1158-1946) FS Date: 07/28/2015					



Slope failure signs present along landward side above concrete box.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.61</b>	Rating **	M	Issue No.	<b>777</b>
LM End	<b>2.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162424 °	39.162424 °
				-121.934201 °	-121.934201 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2245.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23891  
 DS\_ID:21368  
 EP\_NO: 9969  
 FS\_HLM: 2.633  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. 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 and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0158.  
 FIELD\_STRUCT\_DESC: 20-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 27.0 feet below the crown. CM cutoff wall around pipe at center of levee. Pump and gate valve in pump house on the waterward slope. Discharges into concrete box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 455+39). This pipe was retained under ABO No. 9969 (1974).  
 FS Date: 10/22/2013

Pump station located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.61</b>	Rating **	M	Issue No.	<b>777 (cont)</b>
LM End	<b>2.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162424 °	39.162424 °
				-121.934201 °	-121.934201 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2246.jpg



View of waterward side.

**Action/Comments**

Inspector Comments: FS\_ID:23891  
 DS\_ID:21368  
 EP\_NO: 9969  
 FS\_HLM: 2.633  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. 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 and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0158.  
 FIELD\_STRUCT\_DESC: 20-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 27.0 feet below the crown. CM cutoff wall around pipe at center of levee. Pump and gate valve in pump house on the waterward slope. Discharges into concrete box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 455+39). This pipe was retained under ABO No. 9969 (1974).  
 FS Date: 10/22/2013

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.61</b>	Rating **	M	Issue No.	<b>777 (cont)</b>
LM End	<b>2.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162424 °	39.162424 °
				-121.934201 °	-121.934201 °
DWR ID					

Photo 3 of 3 : UCIP\_FA\_2015\_2247.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23891  
 DS\_ID:21368  
 EP\_NO: 9969  
 FS\_HLM: 2.633  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. 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 and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0158.  
 FIELD\_STRUCT\_DESC: 20-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 27.0 feet below the crown. CM cutoff wall around pipe at center of levee. Pump and gate valve in pump house on the waterward slope. Discharges into concrete box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 455+39). This pipe was retained under ABO No. 9969 (1974).  
 FS Date: 10/22/2013

Dense vegetation covers pipe intake on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.78</b>	Rating **	M	Issue No.	<b>778</b>
LM End	<b>2.78</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160540 °	39.160540 °
				-121.932382 °	-121.932382 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23892 DS_ID:21369 EP_NO: N/A FS_HLM: 2.7984 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. 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. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0167. FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through the levee, 21.0 feet below the crown. Slide gate on waterward end. (Cat. IVA) FS Date: 10/22/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2248.jpg



View of waterward side.

LM Start	<b>2.78</b>	Rating **	M	Issue No.	<b>778 (cont)</b>
LM End	<b>2.78</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2249.jpg



Dense vegetation on the waterward edge.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>2.78</b>	Rating **	M	Issue No.	<b>778 (cont)</b>
LM End	<b>2.78</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160540 °	39.160540 °
				-121.932382 °	-121.932382 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23892 DS_ID:21369 EP_NO: N/A FS_HLM: 2.7984 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2250.jpg



Buried screw gate located on waterward shoulder.

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>779</b>
LM End	<b>3.35</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156068 °	39.156068 °
				-121.923453 °	-121.923453 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24115 DS_ID:21370 EP_NO: N/A FS_HLM: 3.38 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: Abandoned 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2015\_0592.jpg



View of waterward side--photo is from USACE PI Report draft final issue USACE\_CESPK\_MRD2\_2012\_p\_0197.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>779 (cont)</b>
LM End	<b>3.35</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156068 °	39.156068 °
				-121.923453 °	-121.923453 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24115 DS_ID:21370 EP_NO: N/A FS_HLM: 3.38 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: Abandoned 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013					

Photo 2 of 2 : UCIP\_FA\_2015\_0593.jpg



View of landward side--photo is from USACE PI Report draft final issue USACE\_CESPK\_MRD2\_2012\_p\_0197.

LM Start	<b>3.40</b>	Rating **	M	Issue No.	<b>780</b>
LM End	<b>3.40</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.155648 °	39.155648 °
				-121.922823 °	-121.922823 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24117 DS_ID:21371 EP_NO: N/A FS_HLM: 3.4227 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: Abandoned 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP\_FA\_2015\_2757.jpg



View of concrete headwall and screw gate on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	3.40	Rating **	M	Issue No.	780 (cont)	
LM End	3.40	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.155648 °	39.155648 °	
				-121.922823 °	-121.922823 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:24117 DS_ID:21371 EP_NO: N/A FS_HLM: 3.4227 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: Abandoned 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013						

Photo 2 of 2 : UCIP\_FA\_2015\_2758.jpg



View of pipe on landward side.

LM Start	3.48	Rating **	M	Issue No.	66	
LM End	3.48	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
			Start	End		
Item	Encroachments			39.154950 °	39.154950 °	
				-121.921628 °	-121.921628 °	
DWR ID	DWR_RD0070_02_f_2015_66					
Action/Comments						
Debris Inspector Comments: Remove the wood and debris from the landside toe.						

Photo 1 of 1 : FA\_2015\_RD0070\_30\_66\_20151116\_00052.jpg



View of the wood and debris along the 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.154117 °	39.154117 °
				-121.920237 °	-121.920237 °
DWR ID	DWR_RD0070_02_f_2015_68				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_68\_20151116\_00053.jpg



View of the prunings along the landside toe.

LM Start	<b>4.10</b>	Rating **	M	Issue No.	<b>781</b>
LM End	<b>4.10</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147298 °	39.147298 °
				-121.916724 °	-121.916724 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24123 DS_ID:21427 EP_NO: N/A FS_HLM: 4.1371 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station to be removed. This record will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 2 of 3: 2.5-inch steel (not iron as mentioned in desk study) pipe through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013). FS Date: 10/22/2013					

Photo 1 of 1 : UCIP\_FA\_2015\_2759.jpg



Conduits through levee along walkway.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.10</b>	Rating **	M	Issue No.	<b>782</b>
LM End	<b>4.10</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147298 °	39.147298 °
				-121.916724 °	-121.916724 °
DWR ID					

Photo 1 of 1 : UCIP\_FA\_2015\_2763.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24164  
 DS\_ID:21428  
 EP\_NO: N/A  
 FS\_HLM: 4.137  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Pump station will be removed. This crossing will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0235.  
 FIELD\_STRUCT\_DESC: [Farms Water Company Pumping Plant No. 2] 3 of 3: 2.5-inch steel (not iron as mentioned in desk study) pipe through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).  
 FS Date: 10/22/2013

Conduits through levee along walkway.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>783</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2760.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24163  
 DS\_ID:21429  
 EP\_NO: N/A  
 FS\_HLM: 4.1397  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0235.  
 FIELD\_STRUCT\_DESC: [Farms Water Company Pumping Plant No. 2] 42-inch steel pipe and 2-inch PVC electrical conduit through the levee, 24.0 and 3.0 feet below the crown, respectively. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps with electrical control box. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. Power poles on landward side. (Permit No. 13380-2002). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).  
 FS Date: 10/22/2013

View of walkway and pump station on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>783 (cont)</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2761.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24163  
 DS\_ID:21429  
 EP\_NO: N/A  
 FS\_HLM: 4.1397  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0235.  
 FIELD\_STRUCT\_DESC: [Farms Water Company Pumping Plant No. 2] 42-inch steel pipe and 2-inch PVC electrical conduit through the levee, 24.0 and 3.0 feet below the crown, respectively. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps with electrical control box. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. Power poles on landward side. (Permit No. 13380-2002). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).  
 FS Date: 10/22/2013

View of conduit pipes through levee.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>783 (cont)</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24163 DS_ID:21429 EP_NO: N/A FS_HLM: 4.1397 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 42-inch steel pipe and 2-inch PVC electrical conduit through the levee, 24.0 and 3.0 feet below the crown, respectively. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps with electrical control box. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. Power poles on landward side. (Permit No. 13380-2002). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013). FS Date: 10/22/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2762.jpg



View of pumps located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>784</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147247 °	39.147247 °
				-121.916691 °	-121.916691 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2659.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23954  
 DS\_ID:21373  
 EP\_NO: N/A  
 FS\_HLM: 4.14  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Unable to confirm 52-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0235.  
 FIELD\_STRUCT\_DESC: [Farms Water Company Pumping Plant No. 1] 1 of 3: 54-inch steel pipe through the levee, 24.0 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).  
 FS Date: 10/22/2013

View of walkway and pump station on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>784 (cont)</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147247 °	39.147247 °
				-121.916691 °	-121.916691 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2660.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23954  
 DS\_ID:21373  
 EP\_NO: N/A  
 FS\_HLM: 4.14  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Unable to confirm 52-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0235.  
 FIELD\_STRUCT\_DESC: [Farms Water Company Pumping Plant No. 1] 1 of 3: 54-inch steel pipe through the levee, 24.0 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).  
 FS Date: 10/22/2013

View of conduit pipes through levee.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>784 (cont)</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147247 °	39.147247 °
				-121.916691 °	-121.916691 °
DWR ID					

Photo 3 of 3 : UCIP\_FA\_2015\_2661.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23954  
 DS\_ID:21373  
 EP\_NO: N/A  
 FS\_HLM: 4.14  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Unable to confirm 52-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0235.  
 FIELD\_STRUCT\_DESC: [Farms Water Company Pumping Plant No. 1] 1 of 3: 54-inch steel pipe through the levee, 24.0 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).  
 FS Date: 10/22/2013

View of pumps located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.12</b>	Rating **	M	Issue No.	<b>785</b>
LM End	<b>4.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147072 °	39.147072 °
				-121.916783 °	-121.916783 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2764.jpg



View of levee crown.

**Action/Comments**

Inspector Comments: FS\_ID:24165  
 DS\_ID:21374  
 EP\_NO: 767  
 FS\_HLM: 4.153  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0237.  
 FIELD\_STRUCT\_DESC: 3.0-inch steel gas pipe (not 3.5-inch as mentioned in desk study) through the levee, 3.0 feet below the crown. Concrete inspection well (8x10x1 foot) with metal cover on waterward shoulder. Painted aluminum marker on waterward side. Rock revetment on waterward slope. (Permit No. 767-1938) Contact information provided on marker 916-742-7344 and for emergencies call 916-742-3251.  
 FS Date: 10/22/2013

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.12</b>	Rating **	M	Issue No.	<b>785 (cont)</b>
LM End	<b>4.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147072 °	39.147072 °
				-121.916783 °	-121.916783 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2765.jpg



Concrete headwall on waterward side.

**Action/Comments**

Inspector Comments: FS\_ID:24165  
 DS\_ID:21374  
 EP\_NO: 767  
 FS\_HLM: 4.153  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0237.  
 FIELD\_STRUCT\_DESC: 3.0-inch steel gas pipe (not 3.5-inch as mentioned in desk study) through the levee, 3.0 feet below the crown. Concrete inspection well (8x10x1 foot) with metal cover on waterward shoulder. Painted aluminum marker on waterward side. Rock revetment on waterward slope. (Permit No. 767-1938) Contact information provided on marker 916-742-7344 and for emergencies call 916-742-3251.  
 FS Date: 10/22/2013

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	4.12	Rating **	M	Issue No.	785 (cont)
LM End	4.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147072 °	39.147072 °
				-121.916783 °	-121.916783 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24165 DS_ID:21374 EP_NO: 767 FS_HLM: 4.153 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0237. FIELD_STRUCT_DESC: 3.0-inch steel gas pipe (not 3.5-inch as mentioned in desk study) through the levee, 3.0 feet below the crown. Concrete inspection well (8x10x1 foot) with metal cover on waterward shoulder. Painted aluminum marker on waterward side. Rock revetment on waterward slope. (Permit No. 767-1938) Contact information provided on marker 916-742-7344 and for emergencies call 916-742-3251. FS Date: 10/22/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2766.jpg



Gas line sign located on waterward side--sign in bad shape.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>786</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146374 °	39.146374 °
				-121.916980 °	-121.916980 °
DWR ID					

Photo 1 of 1 : UCIP\_FA\_2015\_2815.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23959  
 DS\_ID:21375  
 EP\_NO: 1123  
 FS\_HLM: 4.203  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0240.  
 FIELD\_STRUCT\_DESC: 1 of 3: 10-inch pipe through the levee, 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. (Permit No. 1123-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25).  
 FS Date: 10/22/2013

Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>787</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146331 °	39.146331 °
				-121.916985 °	-121.916985 °
DWR ID					

Photo 1 of 1 : UCIP\_FA\_2015\_0579.jpg



**Action/Comments**  
 Inspector Comments: FS\_ID:23960  
 DS\_ID:21424  
 EP\_NO: 1123  
 FS\_HLM: 4.206  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0240.  
 FIELD\_STRUCT\_DESC: 2 of 3: 4-inch pipe through the levee, 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. (Permit No. 1123-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25).  
 FS Date: 10/22/2013

Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>788</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146298 °	39.146298 °
				-121.916993 °	-121.916993 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23961 DS_ID:21425 EP_NO: 1123 FS_HLM: 4.208 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through the levee, approximately 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25). FS Date: 10/22/2013					

Photo 1 of 1 : UCIP\_FA\_2015\_2728.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

LM Start	<b>4.32</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>4.32</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.144233 °	39.144233 °
				-121.917413 °	-121.917413 °
DWR ID	DWR_RD0070_02_f_2012_13				
Action/Comments					
Building					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_13\_20150910\_00010.jpg



View of the buildings along the landside toe of the levee.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.50</b>	Rating **	C	Issue No.	<b>3</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.141707 °	39.141379 °
				-121.918480 °	-121.918972 °
DWR ID	DWR_RD0070_02_s_2012_3				
Action/Comments					
Prunings Inspector Comments: The prunings were removed from the waterside toe.					

No Photos

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>789</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23962 DS_ID:21379 EP_NO: 9998 FS_HLM: 4.59 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2752.jpg



View of pump house located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>789 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2753.jpg



**Action/Comments**

Inspector Comments: FS\_ID:23962  
 DS\_ID:21379  
 EP\_NO: 9998  
 FS\_HLM: 4.59  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. 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. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0264.  
 FIELD\_STRUCT\_DESC: 30-inch (not 24-inch as indicated in desk study) CM pipe through the levee, 15.5 feet below the crown. Slide gate in concrete distribution box at landward toe. Pump in pumphouse at landward side. Service pole and ramp on waterward slope. Concrete box with air vents at waterward end. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 516+06). This pipe was retained under ABO No. 9998 (1974). 18-inch PVC pipe sleeved through the 24-inch pipe under Permit No. 16228 (1994). Annular gap grouted.  
 FS Date: 10/22/2013

Photo of the concrete distribution box located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>789 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:23962  
 DS\_ID:21379  
 EP\_NO: 9998  
 FS\_HLM: 4.59  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. 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. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0264.  
 FIELD\_STRUCT\_DESC: 30-inch (not 24-inch as indicated in desk study) CM pipe through the levee, 15.5 feet below the crown. Slide gate in concrete distribution box at landward toe. Pump in pumphouse at landward side. Service pole and ramp on waterward slope. Concrete box with air vents at waterward end. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 516+06). This pipe was retained under ABO No. 9998 (1974). 18-inch PVC pipe sleeved through the 24-inch pipe under Permit No. 16228 (1994). Annular gap grouted.  
 FS Date: 10/22/2013

Photo 3 of 3 : UCIP\_FA\_2015\_2754.jpg



Positive closure device located at the waterward side inside concrete distribution box.

LM Start	<b>4.57</b>	Rating **	M	Issue No.	<b>770</b>
LM End	<b>4.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.141155 °	39.141155 °
				-121.919432 °	-121.919432 °
DWR ID	DWR_RD0070_02_s_2014_770				

**Action/Comments**

Schedule repair of erosion site prior to the next inspection.

Photo 1 of 1 : FA\_2015\_RD0070\_30\_770\_20150910\_00021.jpg



View of the damaged ramp along the landside 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.59</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>4.59</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.140965 °	39.140965 °
				-121.919900 °	-121.919900 °
DWR ID	DWR_RD0070_02_f_2015_69				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_69\_20151116\_00055.jpg



View of the prunings along the landside toe.

LM Start	<b>4.76</b>	Rating **	M	Issue No.	<b>790</b>
LM End	<b>4.76</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24166 DS_ID:21380 EP_NO: 9970 FS_HLM: 4.795 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. 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. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 4.8 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on landward slope--not found. Pump in pump house on waterward shoulder. Shut-off valve on landward side. Concrete discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 526+71). This pipe was retained under ABO No. 9970 (1974). FS Date: 10/22/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2767.jpg



View of levee crown and pump house photo taken from landward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>4.76</b>	Rating **	M	Issue No.	<b>790 (cont)</b>
LM End	<b>4.76</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:24166 DS_ID:21380 EP_NO: 9970 FS_HLM: 4.795 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. 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. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 4.8 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on landward slope--not found. Pump in pump house on waterward shoulder. Shut-off valve on landward side. Concrete discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 526+71). This pipe was retained under ABO No. 9970 (1974). FS Date: 10/22/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2768.jpg



Enter photo 7 description or comment here.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	4.76	Rating **	M	Issue No.	790 (cont)
LM End	4.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24166 DS_ID:21380 EP_NO: 9970 FS_HLM: 4.795 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. 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. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 4.8 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on landward slope--not found. Pump in pump breaker on waterward shoulder. Shut-off valve on landward side. Concrete discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 526+71). This pipe was retained under ABO No. 9970 (1974). FS Date: 10/22/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_2769.jpg



View of the inside of pump house--no pump.

LM Start	4.95	Rating **	U	Issue No.	9
LM End	4.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
			Start	End	
Item	Encroachments			39.142008 °	39.142032 °
				-121.926267 °	-121.926855 °
DWR ID	DWR_RD0070_02_s_2012_9				
Action/Comments					
Building					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_9\_20150910\_00006.jpg



View of the building along the 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>5.04</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>5.04</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.142023 °	39.142023 °
				-121.927828 °	-121.927828 °
DWR ID	DWR_RD0070_02_s_2012_18				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_18\_20151116\_00056.jpg



View of the prunings along the landside toe.

LM Start	<b>5.30</b>	Rating **	M	Issue No.	<b>771</b>
LM End	<b>5.30</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142049 °	39.142049 °
				-121.932651 °	-121.932651 °
DWR ID	DWR_RD0070_02_f_2015_771				
Action/Comments					
Inspector Comments: FS_ID:23964 DS_ID:21383 EP_NO: 9984 FS_HLM: 5.3411 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Additional crossing visible through concrete headwall on landward side--crossing has been capped (see photo). NEED TO CONFIRM PIPE SIZE!!! This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0289. FIELD_STRUCT_DESC: 12-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 13.8 feet below the crown. Gate valve on the waterward side. Pump in pump house on the waterward side. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 555+09). This pipe was retained under ABO No. 9984 (1974). FS Date: 10/22/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0580.jpg



No pipe exists the pump house on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	5.30	Rating **	M	Issue No.	771 (cont)
LM End	5.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.142049 °	39.142049 °
				-121.932651 °	-121.932651 °
DWR ID	DWR_RD0070_02_f_2015_771				
Action/Comments					
Inspector Comments: FS_ID:23964 DS_ID:21383 EP_NO: 9984 FS_HLM: 5.3411 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Additional crossing visible through concrete headwall on landward side--crossing has been capped (see photo). NEED TO CONFIRM PIPE SIZE!!! This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0289. FIELD_STRUCT_DESC: 12-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 13.8 feet below the crown. Gate valve on the waterward side. Pump in pump house on the waterward side. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 555+09). This pipe was retained under ABO No. 9984 (1974). FS Date: 10/22/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2755.jpg



Crossing appears altered on waterward side.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	6.28	Rating **	M	Issue No.	791 (cont)
LM End	6.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133847 °	39.133847 °
				-121.937689 °	-121.937689 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23965 DS_ID:21385 EP_NO: 4383 FS_HLM: 6.335 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0319. FIELD_STRUCT_DESC: 8 5/8-inch steel gas pipe through the levee, 3.5 feet below the crown. Concrete cutoff wall around pipe at center of levee. Rock revetment on waterward slope. (Permit No. 4383-1963) FS Date: 10/23/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_0582.jpg



Sign visible on waterward side.

LM Start	6.28	Rating **	M	Issue No.	791 (cont)
LM End	6.28	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_0583.jpg



Markers visible on both levee shoulders.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>6.33</b>	Rating **	M	Issue No.	<b>792</b>
LM End	<b>6.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46424 DS_ID:21386 EP_NO: 9994 FS_HLM: 6.387 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_0594.jpg



Stairs and platform located on waterward side.

LM Start	<b>6.33</b>	Rating **	M	Issue No.	<b>792 (cont)</b>
LM End	<b>6.33</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_0595.jpg



Pipe and pump set up on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>6.33</b>	Rating **	M	Issue No.	<b>792 (cont)</b>
LM End	<b>6.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46424 DS_ID:21386 EP_NO: 9994 FS_HLM: 6.387 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2859.jpg



View of levee slope and berm on waterward side.

LM Start	<b>6.42</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>6.54</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.132040 °	39.130900 °
				-121.936521 °	-121.934690 °
DWR ID					
Action/Comments					
Inspector Comments: 2005 - (known as 132) On inside of bend. Erosion of berm toe. Levee slope is steep. Erosion probably due to eddy scour off upstream cobble. 2009 - Groins may be a good option for repair. 2010 - Scour off the upstream rock, some new erosion. 2011 - Site extended downstream. 2012 - Minor new erosion since last year and new animal holes. 2012 - Minor new erosion since last year and new animal holes. 2013 - New tree popout. 2015: No observed changes. [2015 Site ID: SAC_131-8_L]					

Photo 1 of 1 : USACE2013A\_SAC\_131-8\_L\_6.jpg



USACE 2013 Photo #1

LM Start	<b>6.42</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>7.09</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.132233 °	39.129068 °
				-121.936188 °	-121.924674 °
DWR ID	DWR_RD0070_02_s_2012_4				
Action/Comments					
Ditch					

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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>7.64</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>7.64</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.124493 °	39.124493 °	
			-121.917105 °	-121.917105 °	
DWR ID	DWR_RD0070_02_s_2013_26				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_26\_20150910\_00017.jpg



View of the prunings along the landside toe.

LM Start	<b>7.82</b>	Rating **	M	Issue No.	<b>793</b>
LM End	<b>7.82</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.124562 °	39.124562 °	
			-121.913758 °	-121.913758 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23966 DS_ID:21387 EP_NO: 9966 FS_HLM: 7.8857 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch electrical conduit through the levee, 12.0 and 8.0 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Two concrete cutoff walls under each shoulder. Pump and gate valve on pile structure in stream. Walkway to pump. Concrete standpipe on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 689+50). Pipe and conduit were retained under ABO No. 11496 (1975). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0584.jpg



Concrete headwall located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>7.82</b>	Rating **	M	Issue No.	<b>793 (cont)</b>
LM End	<b>7.82</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_0585.jpg



Action/Comments					
Inspector Comments: FS_ID:23966 DS_ID:21387 EP_NO: 9966 FS_HLM: 7.8857 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch electrical conduit through the levee, 12.0 and 8.0 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Two concrete cutoff walls under each shoulder. Pump and gate valve on pile structure in stream. Walkway to pump. Concrete standpipe on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 689+50). Pipe and conduit were retained under ABO No. 11496 (1975). FS Date: 10/23/2013					

Stand pipe located on landward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>7.82</b>	Rating **	M	Issue No.	<b>793 (cont)</b>
LM End	<b>7.82</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID					

Photo 3 of 3 : UCIP\_FA\_2015\_0586.jpg



Action/Comments					
Inspector Comments: FS_ID:23966 DS_ID:21387 EP_NO: 9966 FS_HLM: 7.8857 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch electrical conduit through the levee, 12.0 and 8.0 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Two concrete cutoff walls under each shoulder. Pump and gate valve on pile structure in stream. Walkway to pump. Concrete standpipe on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 689+50). Pipe and conduit were retained under ABO No. 11496 (1975). FS Date: 10/23/2013					

Pump house located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>7.92</b>	Rating **	M	Issue No.	<b>794</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124543 °	39.124543 °
				-121.911996 °	-121.911996 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24191 DS_ID:21389 EP_NO: 1264 FS_HLM: 7.9825 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: Abandoned 10-inch (not 14-inch as specified in desk study) pipe through the levee, 5.0 feet below the crown. Pump on the waterward side. Double concrete discharge box at landward toe. (Permit No. 1264-1948) FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0568.jpg



View of landward side--two crossing nearby.

Photo 2 of 3 : UCIP\_FA\_2015\_0569.jpg



View of levee crown at crossing.

LM Start	<b>7.92</b>	Rating **	M	Issue No.	<b>794 (cont)</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	LS

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>7.92</b>	Rating **	M	Issue No.	<b>794 (cont)</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124543 °	39.124543 °
				-121.911996 °	-121.911996 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24191 DS_ID:21389 EP_NO: 1264 FS_HLM: 7.9825 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_0570.jpg



View of waterward side--only pump house of nearby crossing located downstream from crossing.

LM Start	<b>7.92</b>	Rating **	M	Issue No.	<b>795</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124460 °	39.124460 °
				-121.911932 °	-121.911932 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24190 DS_ID:21388 EP_NO: 10008 FS_HLM: 7.9873 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete distribution box is damage on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0380. FIELD_STRUCT_DESC: Abandoned 18-inch steel pipe through the levee, 15.0 feet below the crown. Pump in pump house and slide gate on the waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 694+85). Concrete distribution box on landward side. This pipe was retained under ABO No. 10008 (1974). During field verification additional appurtenances were observed. An additional pipe on landward side drains into concrete distribution box. The concrete box connects to a second set of distribution boxes through a 24-inch concrete pipe approximately 36 feet upstream of crossing. Those boxes have a 10-inch pipe that appears to go through levee. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_0567.jpg



Damage concrete distribution box located on waterward side.

<b>* Location</b> LS : Land Side 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
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>7.92</b>	Rating **	M	Issue No.	<b>795 (cont)</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124460 °	39.124460 °
				-121.911932 °	-121.911932 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2726.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24190  
 DS\_ID:21388  
 EP\_NO: 10008  
 FS\_HLM: 7.9873  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Concrete distribution box is damage on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0380.  
 FIELD\_STRUCT\_DESC: Abandoned 18-inch steel pipe through the levee, 15.0 feet below the crown. Pump in pump house and slide gate on the waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 694+85). Concrete distribution box on landward side. This pipe was retained under ABO No. 10008 (1974). During field verification additional appurtenances were observed. An additional pipe on landward side drains into concrete distribution box. The concrete box connects to a second set of distribution boxes through a 24-inch concrete pipe approximately 36 feet upstream of crossing. Those boxes have a 10-inch pipe that appears to go through levee.  
 FS Date: 10/23/2013

View of levee crown at crossing.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>8.12</b>	Rating **	U	Issue No.	<b>796</b>
LM End	<b>8.12</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.122347 °	39.122347 °
				-121.909592 °	-121.909592 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_0571.jpg



**Action/Comments**

Inspector Comments: FS\_ID:46401  
 DS\_ID:21390  
 EP\_NO: 10371  
 FS\_HLM: 8.187  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: Hole present on waterward slope has gotten worse since last inspection. The hole is located less than 2 feet from S Meridian Road (county road). Dense vegetation on waterward slope limits visual inspection to determine extent of levee damage or cause. According to LMA representative the damage on the slope was caused by leaky siphon breaker. LMA representative has notified owner to stop use of pipe. Based on the extent of the damage visible from prior inspection and the age of the pipe, this pipe would be a good candidate for video or pressure test to confirm the integrity of pipe through levee (county road). Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements.  
 FIELD\_STRUCT\_DESC: 12-inch steel pipe and electrical conduit through the levee, 3.0 and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Siphon breaker in protective housing at waterward shoulder. Discharge structure at landward toe. Slant pump on the waterward side. Power pole on landward side. (Permit No. 10371-1975). Pipe was replaced by 15-inch steel pipe under Permit No. 10371A (1982).  
 FS Date: 07/28/2015

Damage to waterward shoulder due to leaky pipe or siphon breaker.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>797</b>
LM End	<b>9.00</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110878 °	39.110878 °
				-121.902775 °	-121.902775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24108 DS_ID:21423 EP_NO: 9971 FS_HLM: 9.0697 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made to crossing (size). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant No. 3] 2 of 3: 16-inch pipe (not a 30-inch pipe as mentioned in desk study) through the levee, 20.5 feet below the crown. Gate valve on the waterward end. Pump on pile structure in stream. Wooden walkway to pump. Concrete distribution box on landward side. This pipe was retained under ABO No. 9971 (1974). Pumping plant is to be demolished under Permit No. 18762 (2013). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2665.jpg



View of landward side--pump station and walkway

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>797 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2666.jpg



View of 16-inch pipe and 24-inch pipe located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>797 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110878 °	39.110878 °
				-121.902775 °	-121.902775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24108 DS_ID:21423 EP_NO: 9971 FS_HLM: 9.0697 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2667.jpg



View of 16-inch pipe and 24-inch pipe with screw gate located on waterward side.

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>798</b>
LM End	<b>9.00</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24107 DS_ID:21394 EP_NO: N/A FS_HLM: 9.0704 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pump station is to be demolished. This crossing will need to be updated once the work has been completed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant No. 3] 3 of 3: 24-inch pipe through the levee, 20.5 feet below the crown. Gate valve on the waterward end. Pump on pile structure in stream. Wooden walkway to pump. Concrete distribution box on landward side. Pumping plant is to be demolished under Permit No. 18762 (2013). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2662.jpg



View of waterward side--pump station and walkway.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	9.00	Rating **	M	Issue No.	798 (cont)
LM End	9.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24107 DS_ID:21394 EP_NO: N/A FS_HLM: 9.0704 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pump station is to be demolished. This crossing will need to be updated once the work has been completed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant No. 3] 3 of 3: 24-inch pipe through the levee, 20.5 feet below the crown. Gate valve on the waterward end. Pump on pile structure in stream. Wooden walkway to pump. Concrete distribution box on landward side. Pumping plant is to be demolished under Permit No. 18762 (2013). FS Date: 10/23/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2663.jpg



View of 16-inch pipe and 24-inch pipe through levee on waterward side.

Photo 3 of 3 : UCIP\_FA\_2015\_2664.jpg



View of pipes located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>9.56</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>9.79</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.103318 °	39.100002 °	
			-121.899622 °	-121.898747 °	
DWR ID	DWR_RD0070_02_s_2012_25				
Action/Comments					
Ditch					

No Photos

LM Start	<b>10.01</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>10.40</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.097662 °	39.093662 °	
			-121.896349 °	-121.892535 °	
DWR ID	DWR_RD0070_02_s_2012_5				
Action/Comments					
Ditch					

No Photos

LM Start	<b>10.02</b>	Rating **	A	Issue No.	<b>70</b>
LM End	<b>10.02</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		39.097565 °	39.097565 °	
			-121.896122 °	-121.896122 °	
DWR ID	DWR_RD0070_02_f_2015_70				
Action/Comments					
Add appropriate gravel or road base. Grade and compact. Inspector Comments: The Reclamation District placed gravel on the crown roadway.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_70\_20151116\_00058.jpg



View of the new gravel on the crown roadway.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	10.15	Rating **	M	Issue No.	799 (cont)	
LM End	10.15	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.096935 °	39.096935 °	
DWR ID				-121.893870 °	-121.893870 °	
Action/Comments						
Inspector Comments: FS_ID:23967 DS_ID:21396 EP_NO: N/A FS_HLM: 10.22 Repair Type: Non-Urgent Crossing Status: Indicator Found						

Photo 3 of 3 : UCIP\_FA\_2015\_0589.jpg



No pipe exists levee on waterward side only CMP riser present on landward side.

LM Start	10.40	Rating **	M	Issue No.	800	
LM End	10.40	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.093712 °	39.093712 °	
DWR ID				-121.892553 °	-121.892553 °	
Action/Comments						
Inspector Comments: FS_ID:24195 DS_ID:21398 EP_NO: 1162 FS_HLM: 10.4666 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 1 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00). FS Date: 10/23/2013						

Photo 1 of 3 : UCIP\_FA\_2015\_0573.jpg



Pump station located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>10.40</b>	Rating **	M	Issue No.	<b>800 (cont)</b>
LM End	<b>10.40</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093712 °	39.093712 °
				-121.892553 °	-121.892553 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_0574.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24195  
 DS\_ID:21398  
 EP\_NO: 1162  
 FS\_HLM: 10.4666  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0482.  
 FIELD\_STRUCT\_DESC: 1 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00).  
 FS Date: 10/23/2013

View of waterward side pathway behind power pole leads to pump station.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	10.40	Rating **	M	Issue No.	800 (cont)
LM End	10.40	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093712 °	39.093712 °
DWR ID				-121.892553 °	-121.892553 °
Action/Comments					
Inspector Comments: FS_ID:24195 DS_ID:21398 EP_NO: 1162 FS_HLM: 10.4666 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 1 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00). FS Date: 10/23/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_0575.jpg



View of landward side.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>10.40</b>	Rating **	M	Issue No.	<b>801 (cont)</b>
LM End	<b>10.40</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093699 °	39.093699 °
				-121.892553 °	-121.892553 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_0577.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24196  
 DS\_ID:21430  
 EP\_NO: 1162  
 FS\_HLM: 10.4675  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0482.  
 FIELD\_STRUCT\_DESC: 2 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00).  
 FS Date: 10/23/2013

View of waterward side path to pump station is behind the power pole.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	10.40	Rating **	M	Issue No.	801 (cont)
LM End	10.40	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093699 °	39.093699 °
DWR ID				-121.892553 °	-121.892553 °
Action/Comments					
Inspector Comments: FS_ID:24196 DS_ID:21430 EP_NO: 1162 FS_HLM: 10.4675 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 2 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00). FS Date: 10/23/2013					

Photo 3 of 3 : UCIP\_FA\_2015\_0578.jpg



View of landward side--metal risers and concrete distribution box.

LM Start	10.64	Rating **	M	Issue No.	6
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.090300 °	39.090300 °
DWR ID	DWR_RD0070_02_s_2012_6			-121.893102 °	-121.893102 °
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_6\_20150910\_00005.jpg



View of vehicle erosion along 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>10.70</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>12.57</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.089570 °	39.072510 °	
			-121.893487 °	-121.884078 °	
DWR ID	DWR_RD0070_02_s_2012_27				
Action/Comments					
Ditch					

No Photos

LM Start	<b>11.22</b>	Rating **	C	Issue No.	<b>22</b>
LM End	<b>11.22</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.084268 °	39.084268 °	
			-121.888592 °	-121.888592 °	
DWR ID	DWR_RD0070_02_s_2015_22				
Action/Comments					
Tree or limb Inspector Comments: The tree was removed from the landside 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>11.61</b>	Rating **	M	Issue No.	<b>802</b>
LM End	<b>11.61</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.080517 °	39.080517 °
				-121.890574 °	-121.890574 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2798.jpg



**Action/Comments**

Inspector Comments: FS\_ID:24197  
 DS\_ID:21400  
 EP\_NO: 9986  
 FS\_HLM: 11.68  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE\_CESPK\_MRD2\_2012\_p\_0527.  
 FIELD\_STRUCT\_DESC: 30-inch steel pipe through the levee, 27.5 feet below the crown. Two electric gate valves in concrete pit on waterward end at end of discharge pipe. Two slant pumps on waterward slope. Control switches in CM shed at waterward shoulder. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 889+72). This pipe was retained under ABO No. 9986 (1974). One pump and one gate valve installed under Permit No. 5193 (1966). This pumping plant was demolished with pipes grouted and abandoned under Permit No. 18323 (2009).  
 FS Date: 10/23/2013

View of concrete slab with pump located on landward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>12.43</b>	Rating **	U	Issue No.	<b>803</b>
LM End	<b>12.43</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072480 °	39.072480 °
				-121.886540 °	-121.886540 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46426 DS_ID:24744 EP_NO: N/A FS_HLM: 12.504 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/28/2015 Dense vegetation on both slopes. Need to recheck during winter.10/23/2013 No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. FIELD_STRUCT_DESC: 6-inch diameter aluminum irrigation pipe through the levee 18 inches below the crown through a 10 inch corrugated metal pipe. Pipe extends down both slopes about 2 feet below crown. FS Date: 07/28/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_2720.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

LM Start	<b>12.43</b>	Rating **	U	Issue No.	<b>803 (cont)</b>
LM End	<b>12.43</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2721.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>12.43</b>	Rating **	U	Issue No.	<b>803 (cont)</b>
LM End	<b>12.43</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072480 °	39.072480 °
				-121.886540 °	-121.886540 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46246 DS_ID:24744 EP_NO: N/A FS_HLM: 12.504 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2722.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

LM Start	<b>12.46</b>	Rating **	M	Issue No.	<b>804</b>
LM End	<b>12.46</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072512 °	39.072512 °
				-121.886000 °	-121.886000 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23984 DS_ID:21403 EP_NO: 3800 FS_HLM: 12.5335 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0568. FIELD_STRUCT_DESC: 20-inch steel gas pipe through the levee, 3.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Natural gas equipment pad at landward toe. (Permit No. 3800-1962) FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2818.jpg



Additional appurtenances located on landward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	12.46	Rating **	M	Issue No.	804 (cont)
LM End	12.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.072512 °	39.072512 °
DWR ID				-121.886000 °	-121.886000 °
Action/Comments					
Inspector Comments: FS_ID:23984 DS_ID:21403 EP_NO: 3800 FS_HLM: 12.5335 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0568. FIELD_STRUCT_DESC: 20-inch steel gas pipe through the levee, 3.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Natural gas equipment pad at landward toe. (Permit No. 3800-1962) FS Date: 10/23/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2819.jpg



Marker on landward side.

LM Start	12.46	Rating **	M	Issue No.	804 (cont)
LM End	12.46	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_2820.jpg



Marker located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>12.69</b>	Rating **	M	Issue No.	<b>805</b>
LM End	<b>12.69</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072530 °	39.072530 °
				-121.881797 °	-121.881797 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23969 DS_ID:21402 EP_NO: 9997 FS_HLM: 12.436 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 4 : UCIP\_FA\_2015\_0590.jpg



Pipe crossing on waterward side. Second pipe comes out approximately 3 feet downstream from this crossing.

LM Start	<b>12.69</b>	Rating **	M	Issue No.	<b>805 (cont)</b>
LM End	<b>12.69</b>	Issue Type +	En	Location *	WS

Photo 2 of 4 : UCIP\_FA\_2015\_0591.jpg



Crossing appurtenances located near brush and power pole on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	12.69	Rating **	M	Issue No.	805 (cont)
LM End	12.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072530 °	39.072530 °
				-121.881797 °	-121.881797 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:23969 DS_ID:21402 EP_NO: 9997 FS_HLM: 12.436 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 4 : UCIP\_FA\_2015\_2816.jpg



Abandoned steel pipe located on waterward slope.

LM Start	12.69	Rating **	M	Issue No.	805 (cont)
LM End	12.69	Issue Type +	En	Location *	WS

Photo 4 of 4 : UCIP\_FA\_2015\_2817.jpg



Pipe section exposed unable to determine if it is still in use.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>13.19</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>13.20</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.069570 °	39.069505 °	
			-121.873243 °	-121.873083 °	
DWR ID	DWR_RD0070_02_s_2012_30				
Action/Comments					
Ditch					

No Photos

LM Start	<b>13.57</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>13.75</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.067858 °	39.068408 °	
			-121.867355 °	-121.864092 °	
DWR ID	DWR_RD0070_02_s_2012_31				
Action/Comments					
Ditch					

No Photos

LM Start	<b>14.08</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>14.21</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		39.069166 °	39.070105 °	
			-121.857995 °	-121.855929 °	
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Erosion into the levee toe. Rock at upstream end has poor transition causing eddy scour. 2010 - Minor new erosion. 2011 - Some fresh erosion. 2012 - Additional slumping on the previously slumped bank, site extended downstream. 2015: No observed changes. [2015 Site ID: SAC_123-3_L]					

Photo 1 of 2 : USACE2013A\_SAC\_123-3\_L\_6.jpg



USACE 2013 Photo #1

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>14.08</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>14.21</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.069166 °	39.070105 °
				-121.857995 °	-121.855929 °
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Erosion into the levee toe. Rock at upstream end has poor transition causing eddy scour. 2010 - Minor new erosion. 2011 - Some fresh erosion. 2012 - Additional slumping on the previously slumped bank, site extended downstream. 2015: No observed changes. [2015 Site ID: SAC_123-3_L]					

Photo 2 of 2 : USACE2013A\_SAC\_123-3\_L\_7.jpg



USACE 2013 Photo #2

LM Start	<b>14.64</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>14.70</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.071913 °	39.071505 °
				-121.848778 °	-121.847913 °
DWR ID	DWR_RD0070_02_f_2015_33				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_33\_20150910\_00018.jpg



View of the Ag ditch along the L/S toe.

LM Start	<b>14.96</b>	Rating **	A	Issue No.	<b>71</b>
LM End	<b>14.96</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.068708 °	39.068708 °
				-121.844612 °	-121.844612 °
DWR ID	DWR_RD0070_02_f_2015_71				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The Reclamation District burned and dragged both slopes.					

Photo 1 of 1 : FA\_2015\_RD0070\_30\_71\_20151116\_00060.jpg



View of no vegetation on both slopes.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>15.33</b>	Rating **	M	Issue No.	<b>806</b>
LM End	<b>15.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065303 °	39.065303 °
				-121.839230 °	-121.839230 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24229 DS_ID:21421 EP_NO: 9990 FS_HLM: 15.4069 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossings are still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 1 of 2: 24-inch steel pipe sleeved through a 30-inch steel pipe through the levee, 24.0 feet below the crown. Gate valves on waterward end. Concrete headwall with flap gate on landward side. Pumps on pile structure in stream. Wooden walkway to pumps. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55). This pipe was retained under ABO No. 9990 (1974). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2901.jpg



Walkway and pump house on waterward side.

LM Start	<b>15.33</b>	Rating **	M	Issue No.	<b>806 (cont)</b>
LM End	<b>15.33</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2902.jpg



Pump house located on waterward side.

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>15.33</b>	Rating **	M	Issue No.	<b>806 (cont)</b>
LM End	<b>15.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065303 °	39.065303 °
				-121.839230 °	-121.839230 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24229 DS_ID:21421 EP_NO: 9990 FS_HLM: 15.4069 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2903.jpg



Overview of landward side.

LM Start	<b>15.34</b>	Rating **	M	Issue No.	<b>807</b>
LM End	<b>15.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065294 °	39.065294 °
				-121.839215 °	-121.839215 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24230 DS_ID:21409 EP_NO: 9990 FS_HLM: 15.408 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossing is still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel pipe sleeved through a 30-inch steel pipe through the levee, 24.0 feet below the crown. Gate valves on waterward end. Concrete headwall with flap gate on landward side. Pumps on pile structure in stream. Wooden walkway to pumps. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55). This pipe was retained under ABO No. 9990 (1974). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2904.jpg



Walkway and Pump house located on waterward side.

<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 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	15.34	Rating **	M	Issue No.	807 (cont)
LM End	15.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065294 °	39.065294 °
				-121.839215 °	-121.839215 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24230 DS_ID:21409 EP_NO: 9990 FS_HLM: 15.408 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossing is still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel pipe sleeved through a 30-inch steel pipe through the levee, 24.0 feet below the crown. Gate valves on waterward end. Concrete headwall with flap gate on landward side. Pumps on pile structure in stream. Wooden walkway to pumps. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55). This pipe was retained under ABO No. 9990 (1974). FS Date: 10/23/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2905.jpg



Pump located on waterward side.

LM Start	15.34	Rating **	M	Issue No.	807 (cont)
LM End	15.34	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_2906.jpg



Overview of landward side.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0070 Meridian**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	11/02/2015 11/02/2015	Bob Duffey

LM Start	<b>15.34</b>	Rating **	M	Issue No.	<b>808</b>
LM End	<b>15.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065285 °	39.065285 °
				-121.839202 °	-121.839202 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24231 DS_ID:21420 EP_NO: N/A FS_HLM: 15.4088 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2907.jpg



Walkway and structure located on waterward side.

LM Start	<b>15.34</b>	Rating **	M	Issue No.	<b>808 (cont)</b>
LM End	<b>15.34</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2908.jpg



View of landward side photo taken from concrete headwall.

<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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