

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 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)				

** 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

Spring 2016 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)				
Date of Inspection	3/29/2016 - 3/29/2016			
DWR Inspector	Keith Millard			
Accompanied By	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 - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD0070_01_f_2015_12				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

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

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0070_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2014.					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	0.55	Rating **	M	Issue No.	49
LM End	0.55	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					
Comment Code					
Inspector Comment					
FS_ID:23227 DS_ID:21348 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact PG&E to confirm that crossing was completely removed. FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 2.5 feet below the crown. Pipe was removed and replaced with 8-inch steel pipe under Permit No. 15936 (2005). FS Date: 10/21/2013					

No Photos

LM Start	0.55	Rating **	M	Issue No.	50
LM End	0.55	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					
Comment Code					
Inspector Comment					
FS_ID:23228 DS_ID:21349 EP_NO: 4994 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact PG&E to determine fate of crossing--active or inactive. FIELD_STRUCT_DESC: 12-inch high-pressure steel gas line through the levee, 2.5 feet below the crown. Concrete cutoff wall around pipe between center and waterward shoulder. Marker signs at shoulders. (Permit No. 4994-1965) FS Date: 10/21/2013					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	0.55	Rating **	M	Issue No.	42
LM End	0.55	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					
Comment Code					
Inspector Comment					
FS_ID:23384 DS_ID:21415 EP_NO: 15936 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 2 : UCIP_SP_2016_23384_40249.jpg



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

LM Start	0.55	Rating **	M	Issue No.	42 (cont)
LM End	0.55	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_23384_40247.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	0.70	Rating **	M	Issue No.	43
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					
Comment Code					
Inspector Comment					
FS_ID:23526 DS_ID:21355 EP_NO: 9961 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					

LM Start	0.70	Rating **	M	Issue No.	43 (cont)
LM End	0.70	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_23526_40942.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23526_40941.jpg



View of standpipe and CMP riser located on landward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	2.82	Rating **	M	Issue No.	45 (cont)
LM End	2.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:23530 DS_ID:21322 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing exists need to coordinate with LMA to determine if more information is available about crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0208 for concrete ditch lined within 15 feet of LS toe, no water present, and no USACE recommendation letter available. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee. Cutoff wall around pipe at center of levee. Two slide gates, on each end of pipe. Pump on waterward side. Concrete distribution box on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 142+70). FS Date: 10/21/2013</p>					

Photo 2 of 2 : UCIP_SP_2016_23530_40972.jpg



View of waterward slope.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	3.63	Rating **	M	Issue No.	41
LM End	3.63	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					
Comment Code					
Inspector Comment					
FS_ID:23510 DS_ID:21362 EP_NO: 9944 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 2 : UCIP_SP_2016_23510_40837.jpg



Concrete head wall and screw gate at waterward toe.

LM Start	3.63	Rating **	M	Issue No.	41 (cont)
LM End	3.63	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_23510_40838.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	4.57	Rating **	U	Issue No.	34
LM End	4.57	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.167168 °	39.167168 °	
			-121.899102 °	-121.899102 °	
DWR ID	DWR_RD0070_01_s_2015_34				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0070_29_34_20160316_00003.jpg



View of the prunings along the landside toe.

LM Start	4.59	Rating **	M	Issue No.	53
LM End	4.59	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					
Comment Code					
Inspector Comment					
FS_ID:23516 DS_ID:21339 EP_NO: 9951 Repair Type: Non-Urgent Crossing Status: 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_MRD1_2012_p_0144. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 16.3 feet below the crown. Pipe crosses levee at a 45 degree angle. Siphon breaker in CM pipe riser on landward slope. Gate valve on waterward end. Discharges into concrete discharge box. This pipe was retained under ABO No. 9951 (1974). FS Date: 10/21/2013					

Photo 1 of 2 : UCIP_SP_2016_23516_40873.jpg



View of pipe located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	4.59	Rating **	M	Issue No.	53 (cont)
LM End	4.59	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					
Comment Code					
Inspector Comment					
FS_ID:23516 DS_ID:21339 EP_NO: 9951 Repair Type: Non-Urgent Crossing Status: 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_MRD1_2012_p_0144. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 16.3 feet below the crown. Pipe crosses levee at a 45 degree angle. Siphon breaker in CM pipe riser on landward slope. Gate valve on waterward end. Discharges into concrete discharge box. This pipe was retained under ABO No. 9951 (1974). FS Date: 10/21/2013					

Photo 2 of 2 : UCIP_SP_2016_23516_40872.jpg



View of pipe on landward side inside concrete distribution box.

LM Start	4.60	Rating **	U	Issue No.	38
LM End	4.60	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				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

Photo 1 of 1 : SP_2016_RD0070_29_38_20160316_00005.jpg



View of the prunings along the waterside slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	4.71	Rating **	M	Issue No.	54
LM End	4.71	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					
Comment Code					
Inspector Comment					
FS_ID:23517 DS_ID:21340 EP_NO: 9954 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 2 : UCIP_SP_2016_23517_40883.jpg



delete

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

Photo 2 of 2 : UCIP_SP_2016_23517_40877.jpg



View of pipe located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

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					
Comment Code					
Inspector Comment					
FS_ID:23519 DS_ID:21357 EP_NO: 9957 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 2 : UCIP_SP_2016_23519_40896.jpg



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

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

Photo 2 of 2 : UCIP_SP_2016_23519_40898.jpg



Pipe and electrical conduit exposed on levee berm.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	5.77	Rating **	U	Issue No.	28
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.181878 °	39.181878 °
				-121.908718 °	-121.908718 °
DWR ID	DWR_RD0070_01_s_2016_28				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove large tree sections at L/S toe					

No Photos

LM Start	6.12	Rating **	M	Issue No.	47
LM End	6.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23479 DS_ID:21360 EP_NO: 4867 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 2 : UCIP_SP_2016_23479_40724.jpg



View of landward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	6.12	Rating **	M	Issue No.	47 (cont)
LM End	6.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23479 DS_ID:21360 EP_NO: 4867 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 2 of 2 : UCIP_SP_2016_23479_40723.jpg



Pipeline marker on landward side.

LM Start	6.18	Rating **	M	Issue No.	6
LM End	6.18	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				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 1 of 2 : SP_2016_RD0070_29_6_20160316_00001.jpg



View of vehicle erosion along the waterside slope.

* 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 - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	6.18	Rating **	M	Issue No.	6 (cont)
LM End	6.18	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				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 2 of 2 : SP_2016_RD0070_29_6_20160316_00002.jpg



View of the vehicle erosion along the waterside slope.

LM Start	6.58	Rating **	M	Issue No.	58
LM End	6.58	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					
Comment Code					
Inspector Comment					
<p>FS_ID:46422 DS_ID:21341 EP_NO: 9960 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/28/2015 Pipe appears still appears abandoned. Priority was downgraded from Urgent to Non-Urgent due to the inactivity. Need to contact owner to confirm status and future 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.10/21/2013 Hole present on pipe on waterward side. This crossing was determined urgent due to hole on pipe-no signs leaks present on waterward or landward slopes. Unable to find if crossing is being used. Need to contact owner to determine 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. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0069. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 6.2 feet below the crown. Siphon breaker in CM pipe riser on the landward slope. Service pole on the landward shoulder. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 332+72). This pipe was retained under ABO No. 9960 (1974). FS Date: 7/28/2015 3:30:00 PM</p>					

Photo 1 of 2 : UCIP_SP_2016_46422_74619.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	6.74	Rating **	M	Issue No.	57
LM End	6.74	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					
Comment Code					
Inspector Comment					
FS_ID:23523 DS_ID:21342 EP_NO: N/A 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 1 of 2 : UCIP_SP_2016_23523_40922.jpg



View of landward side.

LM Start	6.74	Rating **	M	Issue No.	57 (cont)
LM End	6.74	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_23523_40921.jpg



Pump system and pipe on landward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	7.25	Rating **	C	Issue No.	37
LM End	7.25	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				
Comment Code					
MA : Material					
Inspector Comment					
The landowner need to remove the garbage and material from the waterside toe.					

No Photos

LM Start	7.80	Rating **	M	Issue No.	44
LM End	7.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23529 DS_ID:21345 EP_NO: 9942 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 1 of 2 : UCIP_SP_2016_23529_40964.jpg



View of waterward slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/29/2016 03/29/2016	Keith Millard

LM Start	7.80	Rating **	M	Issue No.	44 (cont)
LM End	7.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23529 DS_ID:21345 EP_NO: 9942 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 2 of 2 : UCIP_SP_2016_23529_40963.jpg



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

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

Unit Cover Sheet

Spring 2016 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)				
Date of Inspection	3/29/2016 - 3/29/2016			
DWR Inspector	Keith Millard			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	1.04	Rating **	M	Issue No.	39
LM End	1.04	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					
Comment Code					
Inspector Comment					
FS_ID:42923 DS_ID:21412 EP_NO: 1575 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 2 : UCIP_SP_2016_42923_42036.jpg



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

LM Start	1.04	Rating **	M	Issue No.	39 (cont)
LM End	1.04	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_42923_42041.jpg



Pump station on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	1.35	Rating **	M	Issue No.	11
LM End	1.35	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.178895 °	39.178895 °	
			-121.943340 °	-121.943340 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23885 DS_ID:21365 EP_NO: 9973 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 2 : UCIP_SP_2016_23885_41814.jpg



View of waterward slope.

LM Start	1.35	Rating **	M	Issue No.	11 (cont)
LM End	1.35	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_23885_41817.jpg



Overview of waterward slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	1.87	Rating **	M	Issue No.	26
LM End	1.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23888 DS_ID:21366 EP_NO: 9996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need inside photo of the concrete distribution box located at the landward toe. Debris found on waterward slope (conduit running parallel to levee). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 24.0 feet below the crown. Gate valve in concrete "U" headwall on waterward slope. Switch house and pump on waterward shoulder. Discharge box at landward toe. This pipe was retained under ABO No. 9996 (1974). FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_SP_2016_23888_41819.jpg



View of levee crown and waterward side.

LM Start	1.87	Rating **	M	Issue No.	26 (cont)
LM End	1.87	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_23888_41822.jpg



View of slope on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	2.16	Rating **	M	Issue No.	1
LM End	2.32	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				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0070_30_1_20160316_00001.jpg



Agricultural ditch along the landside toe.

LM Start	2.34	Rating **	U	Issue No.	41
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.166298 °	39.166298 °	
			-121.935570 °	-121.935570 °	
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:46407 DS_ID:21367 EP_NO: 1158 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: 7/28/2015 10:46:00 AM</p>					

Photo 1 of 2 : UCIP_SP_2016_46407_74608.jpg



View of county road where pipe crosses.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	2.34	Rating **	U	Issue No.	41 (cont)
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166298 °	39.166298 °
				-121.935570 °	-121.935570 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:46407 DS_ID:21367 EP_NO: 1158 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: 7/28/2015 10:46:00 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_46407_74603.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	2.61	Rating **	M	Issue No.	21
LM End	2.61	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					

Comment Code

Inspector Comment

FS_ID:23891
 DS_ID:21368
 EP_NO: 9969
 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

LM Start	2.61	Rating **	M	Issue No.	21 (cont)
LM End	2.61	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_23891_41835.jpg



View of waterward side.

Photo 2 of 2 : UCIP_SP_2016_23891_41833.jpg



Pump station located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	2.78	Rating **	M	Issue No.	22
LM End	2.78	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					
Comment Code					
Inspector Comment					
FS_ID:23892 DS_ID:21369 EP_NO: N/A 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 2 : UCIP_SP_2016_23892_41839.jpg



View of waterward side.

LM Start	2.78	Rating **	M	Issue No.	22 (cont)
LM End	2.78	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_23892_41841.jpg



Buried screw gate located on waterward shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	3.35	Rating **	M	Issue No.	35
LM End	3.35	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					
Comment Code					
Inspector Comment					
FS_ID:24115 DS_ID:21370 EP_NO: N/A 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_SP_2016_24115_42495.jpg



View of waterward side--photo is from USACE PI Report draft final issue USACE_CESPK_MRD2_2012_p_0197.

LM Start	3.35	Rating **	M	Issue No.	35 (cont)
LM End	3.35	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_24115_42496.jpg



View of landward side--photo is from USACE PI Report draft final issue USACE_CESPK_MRD2_2012_p_0197.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	3.40	Rating **	M	Issue No.	36
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					
Comment Code					
Inspector Comment					
FS_ID:24117 DS_ID:21371 EP_NO: N/A 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_SP_2016_24117_42502.jpg



View of pipe on landward side.

LM Start	3.40	Rating **	M	Issue No.	36 (cont)
LM End	3.40	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_24117_42501.jpg



View of concrete headwall and screw gate on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.10	Rating **	M	Issue No.	44
LM End	4.10	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					
Comment Code					
Inspector Comment					
FS_ID:47028 DS_ID:21428 EP_NO: N/A 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 referenced in the USACE Periodic Inspection as item referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 1 of 4: 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_SP_2016_47028_42570.jpg



Conduits through levee along walkway.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.10	Rating **	M	Issue No.	45
LM End	4.10	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					
Comment Code					
Inspector Comment					
FS_ID:47029 DS_ID:21427 EP_NO: N/A 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 4: 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_SP_2016_47029_42511.jpg



Conduits through levee along walkway.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.11	Rating **	M	Issue No.	46
LM End	4.11	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					

Comment Code					

Inspector Comment					
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FS_ID:47030
 DS_ID:21429
 EP_NO: N/A
 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]
 3 of 4: 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

LM Start	4.11	Rating **	M	Issue No.	46 (cont)
LM End	4.11	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47030_42563.jpg



View of walkway and pump station on waterward side.

Photo 2 of 2 : UCIP_SP_2016_47030_42567.jpg



View of conduit pipes through levee.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.11	Rating **	M	Issue No.	47
LM End	4.11	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					

Comment Code					

Inspector Comment					
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FS_ID:47032
 DS_ID:21373
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Unable to confirm 54-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]
 4 of 4: 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

LM Start	4.11	Rating **	M	Issue No.	47 (cont)
LM End	4.11	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47032_42076.jpg



View of walkway and pump station on waterward side.

Photo 2 of 2 : UCIP_SP_2016_47032_42080.jpg



View of conduit pipes through levee.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.12	Rating **	M	Issue No.	37
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					

Comment Code

Inspector Comment

FS_ID:24165
 DS_ID:21374
 EP_NO: 767
 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

LM Start	4.12	Rating **	M	Issue No.	37 (cont)
LM End	4.12	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_24165_42573.jpg



View of levee crown.

Photo 2 of 2 : UCIP_SP_2016_24165_42575.jpg



Concrete headwall on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.17	Rating **	M	Issue No.	15
LM End	4.17	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					
Comment Code					
Inspector Comment					
FS_ID:23959 DS_ID:21375 EP_NO: 1123 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					

Photo 1 of 1 : UCIP_SP_2016_23959_42096.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.17	Rating **	M	Issue No.	16
LM End	4.17	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					
Comment Code					
Inspector Comment					
FS_ID:23960 DS_ID:21424 EP_NO: 1123 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					

Photo 1 of 1 : UCIP_SP_2016_23960_42097.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	4.55	Rating **	M	Issue No.	18
LM End	4.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23962
 DS_ID:21379
 EP_NO: 9998
 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

LM Start	4.55	Rating **	M	Issue No.	18 (cont)
LM End	4.55	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_23962_42099.jpg



View of pump house located on waterward side.

Photo 2 of 2 : UCIP_SP_2016_23962_42104.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

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				
Comment Code					
BU : Building					
Inspector Comment					

No Photos

LM Start	5.30	Rating **	M	Issue No.	19
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					
Comment Code					
Inspector Comment					
FS_ID:23964 DS_ID:21383 EP_NO: 9984 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 2 : UCIP_SP_2016_23964_42114.jpg



Pump house located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	5.30	Rating **	M	Issue No.	19 (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					
Comment Code					
Inspector Comment					
<p>FS_ID:23964 DS_ID:21383 EP_NO: 9984 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</p>					

Photo 2 of 2 : UCIP_SP_2016_23964_42116.jpg



No pipe exists the pump house on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	6.28	Rating **	M	Issue No.	20
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					
Comment Code					
Inspector Comment					
FS_ID:23965 DS_ID:21385 EP_NO: 4383 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 1 of 2 : UCIP_SP_2016_23965_42123.jpg



Markers visible on both levee shoulders.

LM Start	6.28	Rating **	M	Issue No.	20 (cont)
LM End	6.28	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_23965_42121.jpg



View of waterward slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	7.91	Rating **	A	Issue No.	10
LM End	7.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.194151 °	39.194151 °	
			-121.935424 °	-121.935424 °	
DWR ID	DWR_RD0070_02_s_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation well maintained by LMA.					

Photo 1 of 1 : SP_2016_RD0070_30_10_20160517_00027.jpg



3/29/2016: Vegetation maintained to minimal levee.

LM Start	7.92	Rating **	M	Issue No.	33
LM End	7.92	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					
Comment Code					
Inspector Comment					
FS_ID:24191 DS_ID:21389 EP_NO: 1264 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 2 : UCIP_SP_2016_24191_42677.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	7.92	Rating **	M	Issue No.	33 (cont)
LM End	7.92	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					
Comment Code					
Inspector Comment					
FS_ID:24191 DS_ID:21389 EP_NO: 1264 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 2 of 2 : UCIP_SP_2016_24191_42678.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	8.12	Rating **	U	Issue No.	40
LM End	8.12	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					

Comment Code					

Inspector Comment

FS_ID:46401
 DS_ID:21390
 EP_NO: 10371
 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: 7/28/2015 11:15:00 AM

LM Start	8.12	Rating **	U	Issue No.	40 (cont)
LM End	8.12	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_46401_42684.jpg



Vegetation on waterward side where leak found.

Photo 2 of 2 : UCIP_SP_2016_46401_42680.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	9.00	Rating **	M	Issue No.	31
LM End	9.00	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					
Comment Code					
Inspector Comment					
FS_ID:24108 DS_ID:21423 EP_NO: 9971 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 2 : UCIP_SP_2016_24108_42463.jpg



View of landward side--pump station and walkway

LM Start	9.00	Rating **	M	Issue No.	31 (cont)
LM End	9.00	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_24108_42465.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	9.01	Rating **	M	Issue No.	30
LM End	9.01	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					
Comment Code					
Inspector Comment					
FS_ID:24107 DS_ID:21394 EP_NO: N/A 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 2 : UCIP_SP_2016_24107_42457.jpg



View of waterward side--pump station and walkway.

LM Start	9.01	Rating **	M	Issue No.	30 (cont)
LM End	9.01	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_24107_42458.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	10.00	Rating **	U	Issue No.	4
LM End	10.00	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.097713 °	39.097713 °	
			-121.896492 °	-121.896492 °	
DWR ID	DWR_RD0070_02_s_2016_4				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	10.01	Rating **	M	Issue No.	5
LM End	10.40	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				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	10.40	Rating **	M	Issue No.	12
LM End	10.40	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.093712 °	39.093712 °	
			-121.892553 °	-121.892553 °	
DWR ID					

Comment Code					

Inspector Comment

FS_ID:24195
 DS_ID:21398
 EP_NO: 1162
 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

LM Start	10.40	Rating **	M	Issue No.	12 (cont)
LM End	10.40	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_24195_42686.jpg



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

Photo 2 of 2 : UCIP_SP_2016_24195_42685.jpg



Pump station located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	10.40	Rating **	M	Issue No.	13
LM End	10.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093699 °	39.093699 °
				-121.892553 °	-121.892553 °
DWR ID					

Comment Code	
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Inspector Comment

FS_ID:24196
 DS_ID:21430
 EP_NO: 1162
 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

LM Start	10.40	Rating **	M	Issue No.	13 (cont)
LM End	10.40	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_24196_42693.jpg



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

Photo 2 of 2 : UCIP_SP_2016_24196_42692.jpg



Pump station on waterward side dense vegetation on slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	12.37	Rating **	M	Issue No.	48
LM End	12.37	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.072540 °	39.072540 °	
			-121.887807 °	-121.887807 °	
DWR ID					

Comment Code					

Inspector Comment					
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FS_ID:47033
 DS_ID:21402
 EP_NO: 9997
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Debris found on waterward side along berm running parallel to levee. Two crossing found--Need to coordinate with owner to determine permit for second crossing and status of crossing. 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 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_0559.
 FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.5 feet below the crown. Siphon breaker in CM pipe riser on landward shoulder. Control valve and pump on waterward side. Power pole on waterward shoulder. Discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 930+22). This pipe was retained under ABO No. 9997 (1974).
 FS Date: 10/23/2013

LM Start	12.37	Rating **	M	Issue No.	48 (cont)
LM End	12.37	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47033_42141.jpg



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

Photo 2 of 2 : UCIP_SP_2016_47033_42139.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	12.43	Rating **	U	Issue No.	43
LM End	12.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072480 °	39.072480 °
				-121.886540 °	-121.886540 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46426 DS_ID:24744 EP_NO: N/A 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 alumnum 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: 7/28/2015 4:00:00 PM					

Photo 1 of 2 : UCIP_SP_2016_46426_42883.jpg



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

LM Start	12.43	Rating **	U	Issue No.	43 (cont)
LM End	12.43	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_46426_42882.jpg



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

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	12.46	Rating **	M	Issue No.	25
LM End	12.46	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.072512 °	39.072512 °	
			-121.886000 °	-121.886000 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23984 DS_ID:21403 EP_NO: 3800 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 2 : UCIP_SP_2016_23984_42172.jpg



Marker located on waterward side.

LM Start	12.46	Rating **	M	Issue No.	25 (cont)
LM End	12.46	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_23984_42171.jpg



Marker on landward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	13.82	Rating **	M	Issue No.	49
LM End	13.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.068270 °	39.068270 °
				-121.862909 °	-121.862909 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47039 DS_ID:21407 EP_NO: 9995 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Records show a 24-inch iron pipe through the waterward side along the old gaging station with the concrete struture located on the waterward slope. FIELD_STRUCT_DESC: [RD No. 70 Drainage Pump] 1 of 5: 30-inch steel drainpipe through the levee at low elevation. Pipe is concrete encased under the crown, between the shoulders. Slide gate on landward side. Flap gate in secured structure on the waterward end. This pipe was retained under ABO No. 9995 (1974). Concrete structure (10x12 foot) on waterward end at discharge end of pipe installed under Permit No. 13420 (1982). FS Date: 10/23/2013					

Photo 1 of 1 : UCIP_SP_2016_47039_42800.jpg



Remains of old gaging station associated with 24-inch iron pipe that extends into the river.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	15.33	Rating **	M	Issue No.	27
LM End	15.33	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					
Comment Code					
Inspector Comment					
FS_ID:24229 DS_ID:21421 EP_NO: 9990 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 2 : UCIP_SP_2016_24229_42848.jpg



Walkway and pump house on waterward side.

LM Start	15.33	Rating **	M	Issue No.	27 (cont)
LM End	15.33	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_24229_42849.jpg



Pump house located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	15.34	Rating **	M	Issue No.	28
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					
Comment Code					
Inspector Comment					
FS_ID:24230 DS_ID:21409 EP_NO: 9990 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 2 : UCIP_SP_2016_24230_42854.jpg



Walkway and Pump house located on waterward side.

LM Start	15.34	Rating **	M	Issue No.	28 (cont)
LM End	15.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_24230_42855.jpg



Pump located on waterward side.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/29/2016 03/29/2016	Keith Millard

LM Start	15.34	Rating **	M	Issue No.	29
LM End	15.34	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					
Comment Code					
Inspector Comment					
FS_ID:24231 DS_ID:21420 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No daylight visible on landward side. Pipe was visible on waterward side. Need to contact owner to determine status of crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, approximately 15.0 feet below the crown. Gate valves on waterward end. Pumps on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55). FS Date: 10/23/2013					

Photo 1 of 2 : UCIP_SP_2016_24231_42859.jpg



Walkway and structure located on waterward side.

LM Start	15.34	Rating **	M	Issue No.	29 (cont)
LM End	15.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_24231_42863.jpg



View of landward side.

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