Flood Control Project Maintenance
Levee Inspections

LMA District Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0070 Meridian

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

** 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 indiction of risk.

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles
Unit No. 01 Sutter Bypass	Right	7.92

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/16/2015 - 03/16/2015			
DWR Inspector	Bob Duffey			
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 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	**12**
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			° °	° °
DWR ID	DWR_RD0070_01_s _ 2013_12				

Action/Comments

Inspector Comments: The LMA has the O&M manuals.

No Photos

LM Start		Rating **	A	Issue No.	**13**
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			° °	° °
DWR ID	DWR_RD0070_01_s _ 2013_13				

Action/Comments

Inspector Comments: The LMA has adequate flood fight supplies and equipment.

No Photos

LM Start		Rating **	A	Issue No.	**14**
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			° °	° °
DWR ID	DWR_RD0070_01_s _ 2013_14				

Action/Comments

Inspector Comments: The LMA completed flood fight training in 2014.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.44**	Rating **	M	Issue No.	**3**
LM End	**0.44**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23463
DS_ID:21347
EP_NO: 3804
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart.
FIELD_STRUCT_DESC: 12-inch steel gas pipe through the levee, 3.6 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3804-1961)
FS Date: 10/21/2013

No Photos

LM Start	**0.46**	Rating **	M	Issue No.	**11**
LM End	**0.46**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.141909 °	39.141909 °
				-121.840141 °	-121.840141 °
DWR ID	DWR_RD0070_01_s _ 2013_11				

Action/Comments

Note and monitor erosion site.

Photo 1 of 1 : SP_2015_RD0070_29_11_20150310_00004.jpg

View of the erosion along the waterside toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.58**	Rating **	M	Issue No.	**4**
LM End	**0.58**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23384
DS_ID:21415
EP_NO: 15936
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

No Photos

LM Start	**0.58**	Rating **	M	Issue No.	**7**
LM End	**0.58**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23227
DS_ID:21348
EP_NO: N/A
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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.58**	Rating **	M	Issue No.	**8**
LM End	**0.58**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23228
DS_ID:21349
EP_NO: 4994
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

LM Start	**0.60**	Rating **	M	Issue No.	**9**
LM End	**0.60**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142682 °	39.142682 °
				-121.841913 °	-121.841913 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23503
DS_ID:21351
EP_NO: 3686
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to find the gate valve on landward side. Walkway on waterward side in bad shape. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0300 for 18 inch pipe. Pipe on LS is 10 inch not 18 inch. SEE UCIP DS_ID 21350 for details pertaining to 18 inch pipe.
FIELD_STRUCT_DESC: 10-inch pipe and electrical conduit through the levee, 14.8 and 1.0 feet below the crown, respectively. Gate valve on landward end--not found during 10/21/13 pipe inventory. Pump on pile structure in stream. Walkway to slide gate on waterward end. Rock revetment on waterward slope. Pump and concrete support piers at waterward toe installed under Permit No. 3686 (1963). Service pole with meter and control panel at landward toe.
FS Date: 10/21/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.67**	Rating **	M	Issue No.	**15**
LM End	**0.67**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23467
DS_ID:21354
EP_NO: 14802
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Markers found about 159 feet upstream of coordinates at the crossing of the ramp and S. Tarke Road (39.142684, -121.842685).
FIELD_STRUCT_DESC: 4-inch steel gas pipe through the levee, 2.5 feet below the crown. Aluminum pipe marker on landward slope. (Permit No. 14802-1987) Contact emergency information for Pacific Gas & Electric Company 1-800-344-4749? 4742? or 1-916-742-3251.
FS Date: 10/21/2013

No Photos

LM Start	**0.75**	Rating **	M	Issue No.	**16**
LM End	**0.75**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23526
DS_ID:21355
EP_NO: 9961
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend adressing 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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

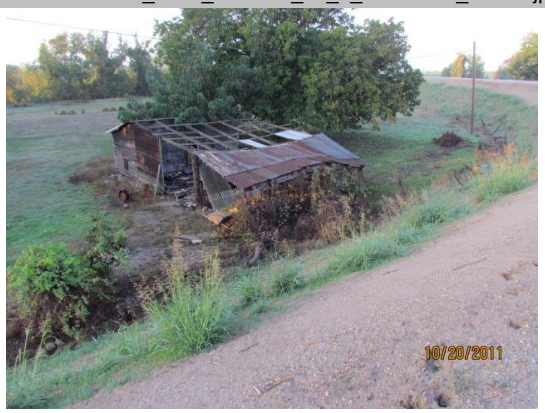
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.90**	Rating **	M	Issue No.	**1**
LM End	**0.90**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.146211 °	39.146211 °
				-121.844551 °	-121.844551 °
DWR ID	DWR_RD0070_01_s _ 2012_1				

Action/Comments

Building

Photo 1 of 1 : SP_2015_RD0070_29_1_20150310_00001.jpg



View of the building along the L/S toe.

LM Start	**1.81**	Rating **	A/W	Issue No.	**33**
LM End	**1.81**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.151635 °	39.151635 °
				-121.856550 °	-121.856550 °
DWR ID	DWR_RD0070_01_f _ 2014_33				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**1.89**	Rating **	M	Issue No.	**17**
LM End	**1.89**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151786 °	39.151786 °
				-121.856875 °	-121.856875 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23508
DS_ID:21336
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE_CESPK_MRD1_2012_p_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch.
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box (7 ft by 9 ft) at landward toe. Service pole on waterward slope. Pump on concrete sump on waterward slope. Overhead power line crosses levee at location. This pipe was retained under ABO No. 9948 (1974).
FS Date: 10/21/2013

No Photos

LM Start	**2.53**	Rating **	M	Issue No.	**32**
LM End	**2.53**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.156513 °	39.156513 °
				-121.868087 °	-121.868087 °
DWR ID	DWR_RD0070_01_s _ 2015_32				

Action/Comments

Tree or limb
Inspector Comments: Remove the tree from the waterside slope.

Photo 1 of 1 : SP_2015_RD0070_29_32_20150406_00026.jpg

View of the tree on the waterside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**2.88**	Rating **	M	Issue No.	**18**
LM End	**2.88**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: 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

LM Start	**3.43**	Rating **	M	Issue No.	**19**
LM End	**3.43**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156437 °	39.156437 °
				-121.882519 °	-121.882519 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: FS_ID:23506
DS_ID:21361
EP_NO: 9944
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Burrow activity present on levee slopes. Multiple pipes found on landward side--are these pipes part of original crossing? This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0291--no USACE recommendation letter available.
FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 21.5 feet below the crown. Gate valve on the waterward end. Discharges into concrete box on the landward side. Rock revetment on waterward slope. This pipe was retained under ABO No. 9944 (1974).
FS Date: 10/21/2013

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**3.70**	Rating **	M	Issue No.	**20**
LM End	**3.70**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23510
DS_ID:21362
EP_NO: 9944
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

No Photos

LM Start	**4.57**	Rating **	M	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				

Action/Comments

Prunings

Photo 1 of 1 : SP_2015_RD0070_29_34_20150406_00027.jpg

View of the prunings along the landside toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.62**	Rating **	M	Issue No.	**21**
LM End	**4.62**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166859 °	39.166859 °
				-121.898846 °	-121.898846 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23515
DS_ID:21364
EP_NO: 9954
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Power pole down on waterward side. 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_0147.
FIELD_STRUCT_DESC: 18-inch (not 24-inch as listed in desk study) steel pipe through the levee, 18.0 feet below the crown. Pipe crosses levee at a 45 degree angle. Slide gate in concrete box (5x5 foot) at waterward toe. Pump in pump house on the waterward side--no pump house found on waterward side. Discharge box at the landward toe. Power pole at the waterward toe. This pipe was retained under ABO No. 9954 (1974).
FS Date: 10/21/2013

No Photos

LM Start	**4.64**	Rating **	M	Issue No.	**357**
LM End	**4.64**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168037 °	39.168037 °
				-121.899854 °	-121.899854 °
DWR ID	DWR_RD0070_01_s _ 2014_357				

Action/Comments

Prunings

Photo 1 of 1 : SP_2015_RD0070_29_357_20150310_00005.jpg

View of the prunings at the landside toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.66**	Rating **	M	Issue No.	**22**
LM End	**4.66**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167406 °	39.167406 °
				-121.899277 °	-121.899277 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23516
DS_ID:21339
EP_NO: 9951
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

No Photos

LM Start	**4.78**	Rating **	M	Issue No.	**23**
LM End	**4.78**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.168832 °	39.168832 °
				-121.900436 °	-121.900436 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23517
DS_ID:21340
EP_NO: 9954
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**5.06**	Rating **	M	Issue No.	**24**
LM End	**5.06**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172334 °	39.172334 °
				-121.902998 °	-121.902998 °
DWR ID					

No Photos

Action/Comments

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

LM Start	**5.48**	Rating **	M	Issue No.	**25**
LM End	**5.48**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176780 °	39.176780 °
				-121.908025 °	-121.908025 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: 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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**6.03**	Rating **	M	Issue No.	**26**
LM End	**6.03**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184488 °	39.184488 °
				-121.909139 °	-121.909139 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23521
DS_ID:21359
EP_NO: 9947
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. Recommend removing vegetation on landward side by concrete distribution box--dense vegetation limited the inspection of the structure. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0094.
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 11.0 feet below the crown. Pump on pile structure on the waterward side. Concrete distribution box at the landward toe. Service pole on the waterward shoulder. This pipe was retained under ABO No. 9947 (1974).
FS Date: 10/21/2013

No Photos

LM Start	**6.08**	Rating **	M	Issue No.	**35**
LM End	**6.08**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.186197 °	39.186197 °
				-121.910308 °	-121.910308 °
DWR ID	DWR_RD0070_01_s _ 2015_35				

Action/Comments

Tree or limb
Inspector Comments: Remove the tree from the waterside slope.

Photo 1 of 1 : SP_2015_RD0070_29_35_20150406_00028.jpg

View of the trees along the waterside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

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				

Action/Comments

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Photo 1 of 1 : SP_2015_RD0070_29_6_20150310_00002.jpg

View of vehicle erosion along the waterside slope.

LM Start	**6.19**	Rating **	M	Issue No.	**27**
LM End	**6.19**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23479
DS_ID:21360
EP_NO: 4867
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**6.66**	Rating **	U	Issue No.	**28**
LM End	**6.66**	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					

No Photos

Action/Comments

Inspector Comments: FS_ID:23522
DS_ID:21341
EP_NO: 9960
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 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: 10/21/2013

LM Start	**6.82**	Rating **	M	Issue No.	**29**
LM End	**6.82**	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					

No Photos

Action/Comments

Inspector Comments: 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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**7.16**	Rating **	M	Issue No.	**36**
LM End	**7.16**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.196177 °	39.196177 °
				-121.922828 °	-121.922828 °
DWR ID	DWR_RD0070_01_s _ 2015_36				

Action/Comments

Tree or limb

No Photos

LM Start	**7.53**	Rating **	A/W	Issue No.	**10**
LM End	**7.53**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.196703 °	39.196703 °
				-121.929372 °	-121.929372 °
DWR ID	DWR_RD0070_01_s _ 2013_10				

Action/Comments

Pipe
Inspector Comments: Repair leaking pipe on L/S & W/S

Photo 1 of 1 : SP_2015_RD0070_29_10_20150310_00003.jpg

View of the erosion caused by the leaky pipe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**7.61**	Rating **	U	Issue No.	**30**
LM End	**7.61**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.196692 °	39.196692 °
				-121.929331 °	-121.929331 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43024
DS_ID:21344
EP_NO: 5921
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Pipe leaking on landward side--damage to levee slope just behind concrete distribution box. Need to coordinate with owner to address leak. Recommend pipe stop being used until leak is address. Will need to coordinate with DWR inspector and CVFPB to address issue. Walkway on WS in poor structural condition. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0030 for pipe damage. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 3.7 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker in steel pipe riser on landward slope. Pump on platform on waterward side with walkway access. Pipe discharges into concrete box (irrigation outlet structure) at landward toe. Service pole with one anchor on waterward berm. Pipe exposed along waterward slope. (Permit No. 5921-1973).
FS Date: 10/21/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/16/2015 03/16/2015	Bob Duffey

LM Start	**7.88**	Rating **	M	Issue No.	**31**
LM End	**7.88**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23529
DS_ID:21345
EP_NO: 9942
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles
Unit No. 02 Sacramento River	Left	15.50

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/16/2015 - 03/16/2015			
DWR Inspector	Bob Duffey			
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 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.04**	Rating **	M	Issue No.	**16**
LM End	**0.32**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.193219 °	39.190038 °
				-121.935783 °	-121.934199 °
DWR ID	DWR_RD0070_02_f _ 2014_16				

Action/Comments

Inspector Comments: 1997 - Loss of cobble revetment in levee section. 2004 - New fresh erosion in a short section of the downstream end. 2010 - New deposition on cobbles. 2013: No observed changes. [2013 Site ID: SAC_138-1_L]

Photo 1 of 1 : SP_2015_RD0070_30_16_20150310_00014.jpg

USACE 2013 Photo #1

LM Start	**0.05**	Rating **	M	Issue No.	**17**
LM End	**0.05**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID					

Action/Comments

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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**0.64**	Rating **	M	Issue No.	**67**
LM End	**0.64**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187498 °	39.187498 °
				-121.938445 °	-121.938445 °
DWR ID	DWR_RD0070_02_f _ 2014_67				

Action/Comments

Prunings
Inspector Comments: Remove the prunings from the landside toe.

Photo 1 of 1 : SP_2015_RD0070_30_67_20150406_00050.jpg

View of the prunings along the landside toe.

LM Start	**1.05**	Rating **	M	Issue No.	**19**
LM End	**1.05**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183211 °	39.183211 °
				-121.943237 °	-121.943237 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42923
DS_ID:21412
EP_NO: 1575
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**1.18**	Rating **	M	Issue No.	**12**
LM End	**1.18**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.181247 °	39.181247 °
				-121.943808 °	-121.943808 °
DWR ID	DWR_RD0070_02_f _ 2012_12				

Action/Comments

Building

Photo 1 of 1 : SP_2015_RD0070_30_12_20150310_00009.jpg

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

LM Start	**1.36**	Rating **	M	Issue No.	**20**
LM End	**1.36**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.178895 °	39.178895 °
				-121.943340 °	-121.943340 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23885
DS_ID:21365
EP_NO: 9973
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**1.78**	Rating **	M	Issue No.	**15**
LM End	**1.90**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.173912 °	39.172344 °
				-121.938745 °	-121.937925 °
DWR ID	DWR_RD0070_02_f _ 2014_15				

Action/Comments

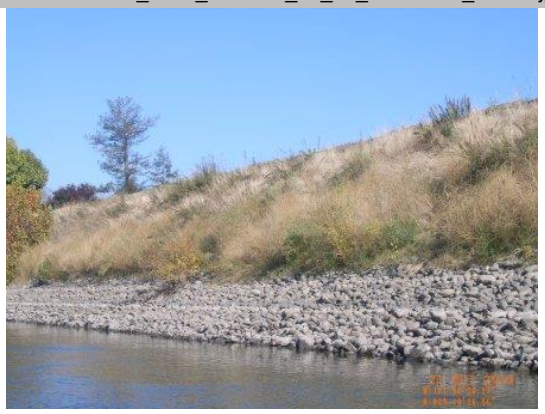
Inspector Comments: 1997 - Toe erosion on a cobble revetment on the outside of a low receding bend. 2012 - Toe appears pretty stable with old cobbles. 2013: No observed changes. [2013 Site ID: SAC_136-6_L]

Photo 1 of 2 : SP_2015_RD0070_30_15_20150310_00012.jpg

USACE 2013 Photo #1

LM Start	**1.78**	Rating **	M	Issue No.	**15 (cont)**
LM End	**1.90**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0070_30_15_20150310_00013.jpg



USACE 2013 Photo #2

LM Start	**1.89**	Rating **	M	Issue No.	**23**
LM End	**1.89**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23888
DS_ID:21366
EP_NO: 9996
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need inside photo of the concrete distribution box

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

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				

Action/Comments

Ditch

Photo 1 of 1 : SP_2015_RD0070_30_1_20150310_00001.jpg

Agricultural ditch along the landside toe.

LM Start	**2.35**	Rating **	U	Issue No.	**24**
LM End	**2.35**	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					

Action/Comments

Inspector Comments: FS_ID:24109
DS_ID:21367
EP_NO: 1158
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Pipe leaking on landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0140.
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: 10/22/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**2.38**	Rating **	M	Issue No.	**21**
LM End	**2.40**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.165658 °	39.165364 °
				-121.935272 °	-121.935164 °
DWR ID	DWR_RD0070_02_s _ 2013_21				

Action/Comments

Fence

Photo 1 of 1 : SP_2015_RD0070_30_21_20150310_00015.jpg

View of the fence on the land side slope.

LM Start	**2.63**	Rating **	M	Issue No.	**28**
LM End	**2.63**	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					

Action/Comments

Inspector Comments: 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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**2.80**	Rating **	M	Issue No.	**29**
LM End	**2.80**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160540 °	39.160540 °
				-121.932382 °	-121.932382 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23892
DS_ID:21369
EP_NO: N/A
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

No Photos

LM Start	**3.38**	Rating **	M	Issue No.	**32**
LM End	**3.38**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156068 °	39.156068 °
				-121.923453 °	-121.923453 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24115
DS_ID:21370
EP_NO: N/A
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**3.42**	Rating **	M	Issue No.	**34**
LM End	**3.42**	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					

No Photos

Action/Comments

Inspector Comments: 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

LM Start	**4.14**	Rating **	M	Issue No.	**35**
LM End	**4.14**	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					

No Photos

Action/Comments

Inspector Comments: FS_ID:24164
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 USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 3 of 3: 2.5-inch steel (not iron as mentioned in desk study) pipe through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).
FS Date: 10/22/2013

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.14**	Rating **	M	Issue No.	**36**
LM End	**4.14**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147298 °	39.147298 °
				-121.916724 °	-121.916724 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24123
DS_ID:21427
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump station to be removed. This record will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 2 of 3: 2.5-inch steel (not iron as mentioned in desk study) pipe through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).
FS Date: 10/22/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.14**	Rating **	M	Issue No.	**38**
LM End	**4.14**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24163
DS_ID:21429
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 42-inch steel pipe and 2-inch PVC electrical conduit through the levee, 24.0 and 3.0 feet below the crown, respectively. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps with electrical control box. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. Power poles on landward side. (Permit No. 13380-2002). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).
FS Date: 10/22/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.14**	Rating **	M	Issue No.	**39**
LM End	**4.14**	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					

No Photos

Action/Comments

Inspector Comments: FS_ID:23954
DS_ID:21373
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to confirm 52-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 1] 1 of 3: 54-inch steel pipe through the levee, 24.0 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).
FS Date: 10/22/2013

LM Start	**4.15**	Rating **	M	Issue No.	**40**
LM End	**4.15**	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					

No Photos

Action/Comments

Inspector Comments: 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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.20**	Rating **	M	Issue No.	**41**
LM End	**4.20**	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					

Action/Comments

Inspector Comments: 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

No Photos

LM Start	**4.21**	Rating **	M	Issue No.	**42**
LM End	**4.21**	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					

Action/Comments

Inspector Comments: 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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.21**	Rating **	M	Issue No.	**43**
LM End	**4.21**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146298 °	39.146298 °
				-121.916993 °	-121.916993 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23961
DS_ID:21425
EP_NO: 1123
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240.
FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through the levee, approximately 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25).
FS Date: 10/22/2013

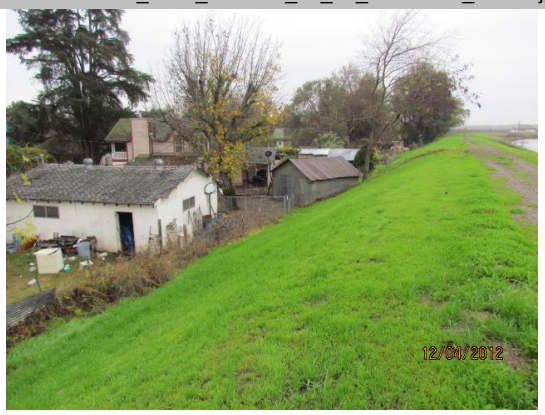
No Photos

LM Start	**4.32**	Rating **	M	Issue No.	**13**
LM End	**4.32**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.144233 °	39.144233 °
				-121.917413 °	-121.917413 °
DWR ID	DWR_RD0070_02_f _ 2012_13				

Action/Comments

Building

Photo 1 of 1 : SP_2015_RD0070_30_13_20150310_00010.jpg



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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.50**	Rating **	M	Issue No.	**3**
LM End	**4.54**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.141707 °	39.141379 °
				-121.918480 °	-121.918972 °
DWR ID	DWR_RD0070_02_s _ 2012_3				

Action/Comments

Prunings

Photo 1 of 1 : SP_2015_RD0070_30_3_20150310_00004.jpg

View of the prunings along the waterside toe.

LM Start	**4.57**	Rating **	M	Issue No.	**770**
LM End	**4.57**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.141155 °	39.141155 °
				-121.919432 °	-121.919432 °
DWR ID	DWR_RD0070_02_s _ 2014_770				

Action/Comments

Schedule repair of erosion site prior to the next inspection.

Photo 1 of 1 : SP_2015_RD0070_30_770_20150310_00020.jpg

View of the damaged ramp along the landside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.59**	Rating **	M	Issue No.	**44**
LM End	**4.59**	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					

Action/Comments

Inspector Comments: 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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**4.80**	Rating **	M	Issue No.	**45**
LM End	**4.80**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24166
DS_ID:21380
EP_NO: 9970
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274.
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 4.8 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on landward slope--not found. Pump in pump house on waterward shoulder. Shut-off valve on landward side. Concrete discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 526+71). This pipe was retained under ABO No. 9970 (1974).
FS Date: 10/22/2013

No Photos

LM Start	**4.95**	Rating **	U	Issue No.	**9**
LM End	**4.98**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.142008 °	39.142032 °
				-121.926267 °	-121.926855 °
DWR ID	DWR_RD0070_02_s _ 2012_9				

Action/Comments

Building

Photo 1 of 1 : SP_2015_RD0070_30_9_20150310_00006.jpg

View of the building along the toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**5.04**	Rating **	M	Issue No.	**18**
LM End	**5.04**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.142023 °	39.142023 °
				-121.927828 °	-121.927828 °
DWR ID	DWR_RD0070_02_s _ 2012_18				

Action/Comments

Prunings

No Photos

LM Start	**5.34**	Rating **	M	Issue No.	**46**
LM End	**5.34**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.140396 °	39.140396 °
				-121.932630 °	-121.932630 °
DWR ID					

Action/Comments

Inspector Comments: 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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**6.34**	Rating **	M	Issue No.	**47**
LM End	**6.34**	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					

No Photos

Action/Comments

Inspector Comments: 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

LM Start	**6.39**	Rating **	U	Issue No.	**48**
LM End	**6.39**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: FS_ID:23950
DS_ID:21386
EP_NO: 9994
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Erosion visible on landward side behind concrete headwall. Plastic sheeting has been placed to protect slope. Need to determine cause for erosion, is pipe leaking? Pipe wall on landward side has deteriorated significantly that the wall is gone. Owner will need to coordinate with DWR inspector and CVFPB to address issue. Recommend notifying owner to stop using crossing until issue has been addressed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0324.
FIELD_STRUCT_DESC: 20-inch steel pipe on waterward side and 24-inch steel pipe on landward side through the levee, 12.5 feet below the crown. Pipe is concrete encased under the crown, between the shoulders. Slide gate in metal well on waterward slope. Pump on pile structure in stream. Concrete discharge box at landward toe. Service pole on waterward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 610+84). This pipe was retained under ABO No. 9994 (1974).
FS Date: 10/23/2013

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

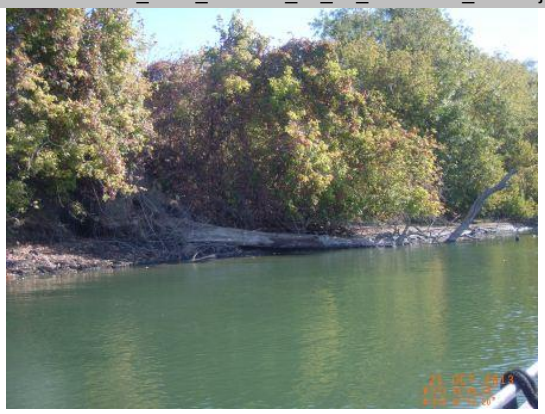
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**6.42**	Rating **	M	Issue No.	**14**
LM End	**6.54**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.132040 °	39.130900 °
				-121.936521 °	-121.934690 °
DWR ID	DWR_RD0070_02_f _ 2014_14				

Action/Comments

Inspector Comments: 2005 - (known as 132) On inside of bend. Erosion of berm toe. Levee slope is steep. Erosion probably due to eddy scour off upstream cobble. 2009 - Groins may be a good option for repair. 2010 - Scour off the upstream rock, some new erosion. 2011 - Site extended downstream. 2012 - Minor new erosion since last year and new animal holes. 2012 - Minor new erosion since last year and new animal holes. 2013: New tree popout. [2013 Site ID: SAC_131-8_L]

Photo 1 of 1 : SP_2015_RD0070_30_14_20150310_00011.jpg



USACE 2013 Photo #1

LM Start	**6.42**	Rating **	M	Issue No.	**4**
LM End	**7.09**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.132233 °	39.129068 °
				-121.936188 °	-121.924674 °
DWR ID	DWR_RD0070_02_s _ 2012_4				

Action/Comments

Ditch

No Photos

LM Start	**7.64**	Rating **	M	Issue No.	**26**
LM End	**7.64**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.124493 °	39.124493 °
				-121.917105 °	-121.917105 °
DWR ID	DWR_RD0070_02_s _ 2013_26				

Action/Comments

Prunings
Inspector Comments: Remove the prunings from the landside toe.

Photo 1 of 1 : SP_2015_RD0070_30_26_20150406_00051.jpg

View of the prunings along the landside toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**7.89**	Rating **	M	Issue No.	**49**
LM End	**7.89**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID					

No Photos

Action/Comments

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

LM Start	**7.98**	Rating **	M	Issue No.	**50**
LM End	**7.98**	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					

No Photos

Action/Comments

Inspector Comments: 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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**7.99**	Rating **	M	Issue No.	**51**
LM End	**7.99**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124460 °	39.124460 °
				-121.911932 °	-121.911932 °
DWR ID					

Action/Comments

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

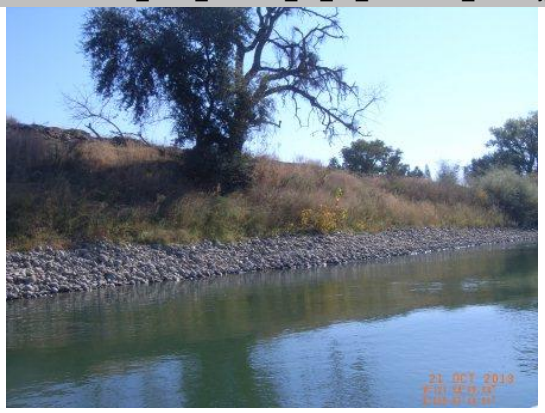
No Photos

LM Start	**8.10**	Rating **	M	Issue No.	**11**
LM End	**8.32**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.122459 °	39.120684 °
				-121.910121 °	-121.909152 °
DWR ID	DWR_RD0070_02_f _ 2014_11				

Action/Comments

Inspector Comments: 1997 - Critical Site - Erosion of cobble site on outside of a bend. Failure caused by erosion of a material from behind the cobbles and cobbles rolling down the slope. Failure is just above the toe levee. Some repairs had been done at the upstream end. 2004 - Some minor new erosion at the top of the berm. 2005 - Trees look okay and the downstream end has some new rock repair. Site is no longer critical. 2006 - No longer critical, some repairs. 2013: No observed changes. [2013 Site ID: SAC_130-0_L]

Photo 1 of 1 : SP_2015_RD0070_30_11_20150310_00008.jpg



USACE 2013 Photo #1

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**8.19**	Rating **	U	Issue No.	**52**
LM End	**8.19**	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					

No Photos

Action/Comments

Inspector Comments: FS_ID:24192
DS_ID:21390
EP_NO: 10371
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Pipe leaking on waterward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. Also recommend having owner clear out some of the vegetation along the pipe alignment (below pump station) to conduct proper inspeciton of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0391.
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: 10/23/2013

LM Start	**9.07**	Rating **	M	Issue No.	**53**
LM End	**9.07**	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					

No Photos

Action/Comments

Inspector Comments: 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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**9.07**	Rating **	M	Issue No.	**54**
LM End	**9.07**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24107
DS_ID:21394
EP_NO: N/A
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

No Photos

LM Start	**9.56**	Rating **	M	Issue No.	**25**
LM End	**9.79**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.103318 °	39.100002 °
				-121.899622 °	-121.898747 °
DWR ID	DWR_RD0070_02_s _ 2012_25				

Action/Comments

Ditch

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

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				

Action/Comments

Ditch

No Photos

LM Start	**10.22**	Rating **	M	Issue No.	**55**
LM End	**10.22**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.096935 °	39.096935 °
				-121.893870 °	-121.893870 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23967
DS_ID:21396
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: No evidence of pipe is visible on waterward side. 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_0477.
FIELD_STRUCT_DESC: Abandoned 12-inch pipe through the levee, 3.1 feet below the crown. Siphon breaker in CM pipe riser on landward shoulder. Concrete plug at landward end. Wood distribution box on landward side at discharge end. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 813+00). (Cat. IV-A)
FS Date: 10/23/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**10.47**	Rating **	M	Issue No.	**56**
LM End	**10.47**	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					

No Photos

Action/Comments

Inspector Comments: 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	**10.47**	Rating **	M	Issue No.	**57**
LM End	**10.47**	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					

No Photos

Action/Comments

Inspector Comments: 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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**10.64**	Rating **	M	Issue No.	**6**
LM End	**10.64**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.090300 °	39.090300 °
				-121.893102 °	-121.893102 °
DWR ID	DWR_RD0070_02_s _ 2012_6				

Action/Comments

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Photo 1 of 1 : SP_2015_RD0070_30_6_20150310_00005.jpg

View of vehicle erosion along landside slope.

LM Start	**10.70**	Rating **	M	Issue No.	**27**
LM End	**12.57**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.089570 °	39.072510 °
				-121.893487 °	-121.884078 °
DWR ID	DWR_RD0070_02_s _ 2012_27				

Action/Comments

Ditch

No Photos

LM Start	**11.22**	Rating **	M	Issue No.	**22**
LM End	**11.22**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.084268 °	39.084268 °
				-121.888592 °	-121.888592 °
DWR ID	DWR_RD0070_02_s _ 2015_22				

Action/Comments

Tree or limb
Inspector Comments: Remove the tree from the landside slope.

Photo 1 of 1 : SP_2015_RD0070_30_22_20150406_00052.jpg

View of the tree along the waterside slope and toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**11.64**	Rating **	M	Issue No.	**10**
LM End	**11.66**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.080669 °	39.080621 °
				-121.891164 °	-121.891564 °
DWR ID	DWR_RD0070_02_f _ 2014_10				

Action/Comments

Inspector Comments: 2005 - Site was repaired. 2009 - Site is at upstream end of the repair site. 2011 - Still minor erosion. 2012 - Site shortened to remove non-erosding section, minor erosion with failing cobbles. 2013: No observed changes. [2013 Site ID: SAC_125-8_L]

Photo 1 of 1 : SP_2015_RD0070_30_10_20150310_00007.jpg

USACE 2013 Photo #1

LM Start	**11.68**	Rating **	M	Issue No.	**58**
LM End	**11.68**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.080517 °	39.080517 °
				-121.890574 °	-121.890574 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24197
DS_ID:21400
EP_NO: 9986
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0527.
FIELD_STRUCT_DESC: 30-inch steel pipe through the levee, 27.5 feet below the crown. Two electric gate valves in concrete pit on waterward end at end of discharge pipe. Two slant pumps on waterward slope. Control switches in CM shed at waterward shoulder. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 889+72). This pipe was retained under ABO No. 9986 (1974). One pump and one gate valve installed under Permit No. 5193 (1966). This pumping plant was demolished with pipes grouted and abandoned under Permit No. 18323 (2009).
FS Date: 10/23/2013

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**12.44**	Rating **	M	Issue No.	**59**
LM End	**12.44**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072530 °	39.072530 °
				-121.881797 °	-121.881797 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: FS_ID:23969
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	**12.50**	Rating **	U	Issue No.	**60**
LM End	**12.50**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072480 °	39.072480 °
				-121.886540 °	-121.886540 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: FS_ID:24245
DS_ID:24744
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 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: 10/23/2013

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**12.53**	Rating **	M	Issue No.	**61**
LM End	**12.53**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072512 °	39.072512 °
				-121.886000 °	-121.886000 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:23984
DS_ID:21403
EP_NO: 3800
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

No Photos

LM Start	**13.19**	Rating **	M	Issue No.	**30**
LM End	**13.20**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069570 °	39.069505 °
				-121.873243 °	-121.873083 °
DWR ID	DWR_RD0070_02_s _ 2012_30				

Action/Comments

Ditch

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**13.57**	Rating **	M	Issue No.	**31**
LM End	**13.75**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.067858 °	39.068408 °
				-121.867355 °	-121.864092 °
DWR ID	DWR_RD0070_02_s _ 2012_31				

Action/Comments

Ditch

No Photos

LM Start	**14.08**	Rating **	M	Issue No.	**2**
LM End	**14.21**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.069166 °	39.070105 °
				-121.857995 °	-121.855929 °
DWR ID	DWR_RD0070_02_f _ 2014_2				

Action/Comments

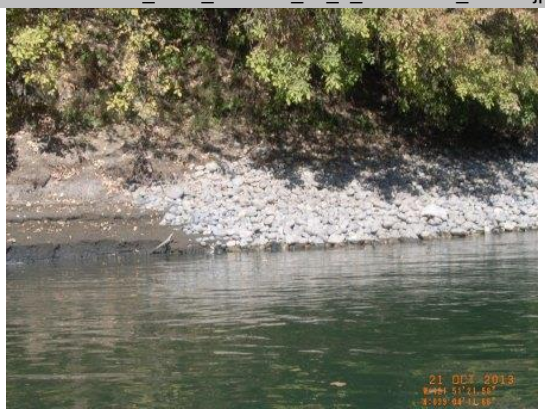
Inspector Comments: 2006 - Erosion into the levee toe. Rock at upstream end has poor transition causing eddy scour. 2010 - Minor new erosion. 2011 - Some fresh erosion. 2012 - Additional slumping on the previously slumped bank, site extended downstream. 2013: No observed changes. [2013 Site ID: SAC_123-3_L]

Photo 1 of 2 : SP_2015_RD0070_30_2_20150310_00002.jpg

USACE 2013 Photo #1

LM Start	**14.08**	Rating **	M	Issue No.	**2 (cont)**
LM End	**14.21**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0070_30_2_20150310_00003.jpg



USACE 2013 Photo #2

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**14.64**	Rating **	M	Issue No.	**33**
LM End	**14.70**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.071913 °	39.071505 °
				-121.848778 °	-121.847913 °
DWR ID	DWR_RD0070_02_f _ 2012_33				

Action/Comments

Ditch

Photo 1 of 1 : SP_2015_RD0070_30_33_20150310_00017.jpg

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

LM Start	**15.41**	Rating **	M	Issue No.	**37**
LM End	**15.41**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.064557 °	39.064557 °
				-121.838332 °	-121.838332 °
DWR ID	DWR_RD0070_02_s _ 2015_37				

Action/Comments

Note and monitor erosion site.
Inspector Comments: Monitor the erosion along the waterside berm.

Photo 1 of 1 : SP_2015_RD0070_30_37_20150406_00053.jpg

View of the erosion along waterside berm.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**15.41**	Rating **	M	Issue No.	**62**
LM End	**15.41**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065303 °	39.065303 °
				-121.839230 °	-121.839230 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24229
DS_ID:21421
EP_NO: 9990
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

No Photos

LM Start	**15.41**	Rating **	M	Issue No.	**63**
LM End	**15.41**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065294 °	39.065294 °
				-121.839215 °	-121.839215 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24230
DS_ID:21409
EP_NO: 9990
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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/16/2015 03/16/2015	Bob Duffey

LM Start	**15.41**	Rating **	M	Issue No.	**64**
LM End	**15.41**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065285 °	39.065285 °
				-121.839202 °	-121.839202 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24231
DS_ID:21420
EP_NO: N/A
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

No Photos

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