

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 Levee Inspection Results

Reclamation District No. 0070 Meridian

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 0070 Meridian

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

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/25/2020 - 3/25/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

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

No Photos

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

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		o	o	o
DWR ID	DWR_RD0070_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2018.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	0.55	Rating **	M	Issue No.	49
LM End	0.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID	21349				
Comment Code					
Inspector Comment					
DS_ID:21349 FS_ID:23228 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 coated steel high-pressure natural gas pipeline through the levee, 2.5 feet below the crown. Concrete cutoff wall around the pipe between the center of the levee and the waterside (WS) shoulder. Marker signs at each shoulder. (Plans to install, use, and maintain a 12-inch gas line authorized under Permit No. 4994, 1965 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

No Photos

LM Start	0.55	Rating **	M	Issue No.	50
LM End	0.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID	21415				
Comment Code					
Inspector Comment					
DS_ID:21415 FS_ID:23384 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 natural gas pipeline through the levee, 2.5 feet below the crown. Gas line markers on the landside (LS). (Plans to remove an existing 16-inch pipe and install an 8-inch natural gas pipe to existing pipe within the 10-foot LS limits of the levee authorized under Permit No. 15936, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2020_23384_40249.jpg



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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	0.55	Rating **	M	Issue No.	50 (cont)
LM End	0.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID	21415				

Photo 2 of 3 : UCIP_SP_2020_23384_40247.jpg



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

LM Start	0.55	Rating **	M	Issue No.	50 (cont)
LM End	0.55	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_23384_40248.jpg



delete

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	0.57	Rating **	M	Issue No.	51 (cont)
LM End	0.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142682 °	39.142682 °
				-121.841913 °	-121.841913 °
DWR ID	21351				

Photo 3 of 3 : UCIP_SP_2020_23503_40785.jpg



View of waterward side--dense vegetation along slope.

LM Start	0.63	Rating **	M	Issue No.	52
LM End	0.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID	21354				

Photo 1 of 3 : UCIP_SP_2020_23467_40643.jpg



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

Comment Code					
Inspector Comment					
DS_ID:21354 FS_ID:23467 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 natural gas pipeline through the levee, 2.5 feet below the crown. Aluminum pipe marker on the landside (LS) slope. Emergency contact information for Pacific Gas and Electric Company (PG&E): (800) 344-4749? or 4742? or (916) 742-3251. (Plans to replace an existing 3-inch natural gas main through the levee with a new 4-inch steel pipe authorized under Permit No. 14802, 1987 - PG&E). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	53 (cont)
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID	21355				

Photo 3 of 3 : UCIP_SP_2020_23526_40940.jpg



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

LM Start	0.71	Rating **	A/W	Issue No.	41
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.144486 °	39.145602 °
				-121.842547 °	-121.842573 °
DWR ID	DWR_RD0070_01_f_2018_41				
Comment Code					
Inspector Comment					
2017 Site ID: BTS 0.8 R Status: Eroding New 2017 Field Notes: Erosion along lower bank, one section has slumped off. Large cracks observed, and expecting additional slumping failures. Site History:					

No Photos

LM Start	0.75	Rating **	M	Issue No.	28
LM End	0.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.145140 °	39.145140 °
				-121.842840 °	-121.842840 °
DWR ID	DWR_RD0070_01_s_2019_28				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	0.75	Rating **	C	Issue No.	33
LM End	0.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.145095 °	39.145095 °
				-121.842865 °	-121.842865 °
DWR ID	DWR_RD0070_01_f_2016_33				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings should be removed from the landside toe.					

No Photos

LM Start	0.76	Rating **	A/W	Issue No.	36
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.145240 °	39.145240 °
				-121.842650 °	-121.842650 °
DWR ID	RD 70-03				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Known erosion site. LMA should continue to monitor. Site ID No:154 Site Designation:RD 70-03					

Photo 1 of 3 : LEVAL_SP_2020_154_1686.jpg



LM Start	0.76	Rating **	A/W	Issue No.	36 (cont)
LM End	0.76	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL_SP_2020_154_1687.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	0.76	Rating **	A/W	Issue No.	36 (cont)
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.145240 °	39.145240 °
				-121.842650 °	-121.842650 °
DWR ID	RD 70-03				

Photo 3 of 3 : LEVAL_SP_2020_154_1688.jpg



LM Start	1.06	Rating **	M	Issue No.	27
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.145313 °	39.147921 °
				-121.847052 °	-121.854263 °
DWR ID	DWR_RD0070_01_s_2020_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.11	Rating **	M	Issue No.	29
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.145423 °	39.146527 °
				-121.847962 °	-121.852405 °
DWR ID	DWR_RD0070_01_s_2020_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	1.40	Rating **	M	Issue No.	31
LM End	1.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.146790 °	39.146790 °
				-121.853060 °	-121.853060 °
DWR ID	DWR_RD0070_01_s_2019_31				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	M	Issue No.	32
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.151282 °	39.151282 °
				-121.855818 °	-121.855818 °
DWR ID	DWR_RD0070_01_f_2016_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_29_32_20200226_00003.jpg



View of the rodent holes along the waterside slope.

LM Start	1.79	Rating **	M	Issue No.	30
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.151476 °	39.151476 °
				-121.856226 °	-121.856226 °
DWR ID	DWR_RD0070_01_s_2020_30				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen tree should be removed from the waterside slope and toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	1.83	Rating **	M	Issue No.	54 (cont)
LM End	1.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151786 °	39.151786 °
				-121.856875 °	-121.856875 °
DWR ID	21336				

Photo 3 of 3 : UCIP_SP_2020_23508_40820.jpg



View of waterward side.

LM Start	2.82	Rating **	M	Issue No.	55
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID	21322				

Photo 1 of 3 : UCIP_SP_2020_23530_40968.jpg



View of waterward side.

Comment Code					
Inspector Comment					
DS_ID:21322 FS_ID:23530 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 irrigation discharge pipe through the levee, at an unknown depth. Cutoff wall around the pipe at the center of the levee. Slide gate on each end. Pump on the waterside (WS). Concrete distribution box on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 142+70)]. FS Date: 10/21/2013					

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	2.82	Rating **	M	Issue No.	55 (cont)
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID	21322				

Photo 2 of 3 : UCIP_SP_2020_23530_40972.jpg



View of waterward slope.

LM Start	3.18	Rating **	M	Issue No.	55 (cont)
LM End	2.82	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_23530_40971.jpg



Waterward side covered by vegetation.

LM Start	3.18	Rating **	A/W	Issue No.	37
LM End	3.18	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.157480 °	39.157480 °
				-121.879250 °	-121.879250 °
DWR ID	RD 70-02				
Comment Code					
Inspector Comment					
Known seepage area. Site ID No:153 Site Designation:RD 70-02					

Photo 1 of 3 : LEVAL_SP_2020_153_1702.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	3.37	Rating **	M	Issue No.	56
LM End	3.37	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.156437 °	39.156437 °	
			-121.882519 °	-121.882519 °	
DWR ID	21361				
Comment Code					
Inspector Comment					
DS_ID:21361 FS_ID:23506 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 irrigation discharge pipe through the levee, 21.5 feet below the crown. Gate valve on the waterside (WS) end. Pipe discharges into a concrete box on the landside (LS). Rock revetment on the WS slope. (Retention of an 18-inch steel pipe through the levee, 21.5 feet below the crown, gate valve, and concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9944, 1974 - William J. and Marion D. Hankins). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2020_23506_40806.jpg



View of waterward side slope and berm.

LM Start	3.37	Rating **	M	Issue No.	56 (cont)
LM End	3.37	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_23506_40801.jpg



Recent burrow activity soil months next to holes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	3.37	Rating **	M	Issue No.	56 (cont)
LM End	3.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156437 °	39.156437 °
				-121.882519 °	-121.882519 °
DWR ID	21361				

Photo 3 of 3 : UCIP_SP_2020_23506_40807.jpg



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

LM Start	3.38	Rating **	M	Issue No.	34
LM End	3.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.156324 °	39.156324 °
				-121.882749 °	-121.882749 °
DWR ID	DWR_RD0070_01_s_2019_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	3.50	Rating **	M	Issue No.	35
LM End	4.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.156539 °	39.161808 °
				-121.884970 °	-121.892711 °
DWR ID	DWR_RD0070_01_s_2020_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	3.63	Rating **	M	Issue No.	57
LM End	3.63	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.157330 °	39.157330 °	
			-121.887113 °	-121.887113 °	
DWR ID	21362				
Comment Code					
Inspector Comment					
DS_ID:21362 FS_ID:23510 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 irrigation discharge pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate on the waterside (WS) end. Pump on the WS. Concrete distribution box on the landside (LS) slope. (Retention of an 18-inch pipe through the levee, 19.5 feet below the crown, and appurtenances authorized under Automatic Board Order (ABO) issued as Permit No. 9944, 1974 - William J. and Marion D. Hankins). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 180+50)]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2020_23510_40837.jpg



Concrete head wall and screw gate at waterward toe.

LM Start	3.63	Rating **	M	Issue No.	57 (cont)
LM End	3.63	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_23510_40838.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	3.63	Rating **	M	Issue No.	57 (cont)
LM End	3.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID	21362				

Photo 3 of 3 : UCIP_SP_2020_23510_40836.jpg



View of appurtenances located on waterward side.

LM Start	4.30	Rating **	C	Issue No.	43
LM End	4.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.164190 °	39.164190 °
				-121.895740 °	-121.895740 °
DWR ID	DWR_RD0070_01_s_2019_43				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	58 (cont)
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166859 °	39.166859 °
				-121.898846 °	-121.898846 °
DWR ID	21364				

Photo 3 of 3 : UCIP_SP_2020_23515_40869.jpg



View of concrete box located on waterward side, photo 2 of 2.

LM Start	4.59	Rating **	M	Issue No.	59
LM End	4.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167406 °	39.167406 °
				-121.899277 °	-121.899277 °
DWR ID	21339				

Photo 1 of 3 : UCIP_SP_2020_23516_40873.jpg



View of pipe located on waterward side.

Comment Code					
Inspector Comment					
DS_ID:21339 FS_ID:23516 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 irrigation pipe through the levee, 16.3 feet below the crown. Pipe crosses the levee at a 45 degree angle. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Gate valve on the waterside (WS) end. Pipe discharges into a concrete discharge box. (Plans to retain a 10-inch steel pipe through the levee, 16.3 feet below the crown, a gate valve, a siphon breaker in a CMP riser, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9951, 1974 - Frank and Mischa Pirtle). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	4.71	Rating **	M	Issue No.	60 (cont)
LM End	4.71	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.168832 °	39.168832 °	
			-121.900436 °	-121.900436 °	
DWR ID	21340				

Photo 3 of 3 : UCIP_SP_2020_23517_40882.jpg



View of slide gate on waterward side.

LM Start	4.99	Rating **	M	Issue No.	61
LM End	4.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.172334 °	39.172334 °	
			-121.902998 °	-121.902998 °	
DWR ID	21338				

Photo 1 of 3 : UCIP_SP_2020_23518_40886.jpg



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

Comment Code					
Inspector Comment					
DS_ID:21338 FS_ID:23518 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 irrigation discharge pipe through the levee, 19 feet below the crown. Cutoff wall around the pipe at the center of the levee. Slide gate in a concrete distribution box on the landside (LS). Pump on the waterside (WS). Pipe discharges into a concrete box on the LS. (Retention of an 18-inch steel pipe through the levee, 19 feet below the crown, a pump, a slide gate in a concrete distribution box, and a concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9940, 1974 - Pearl Clark, et al.). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 251+30)]. FS Date: 10/21/2013					

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	5.41	Rating **	M	Issue No.	62
LM End	5.41	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.176780 °	39.176780 °	
			-121.908025 °	-121.908025 °	
DWR ID	21357				
Comment Code					
Inspector Comment					
DS_ID:21357 FS_ID:23519 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 irrigation discharge pipe through the levee, 5.5 feet below the crown. Pump on the waterside (WS) slope. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a concrete box at the LS toe. Service pole at the LS toe. (Plans to retain a 12-inch steel pipe through the levee, 5.5 feet below the crown, a siphon breaker in a CMP riser, a pump, and a concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9957, 1974 - James E. and Mattie Smith). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2020_23519_40896.jpg



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

LM Start	5.41	Rating **	M	Issue No.	62 (cont)
LM End	5.41	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_23519_40898.jpg



Pipe and electrical conduit exposed on levee berm.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	5.41	Rating **	M	Issue No.	62 (cont)
LM End	5.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176780 °	39.176780 °
				-121.908025 °	-121.908025 °
DWR ID	21357				

Photo 3 of 3 : UCIP_SP_2020_23519_40897.jpg



View of landward slope.

LM Start	6.12	Rating **	M	Issue No.	63
LM End	6.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID	21360				

Comment Code

Inspector Comment

DS_ID:21360
 FS_ID:23479
 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 coated steel natural gas pipeline through the levee, 4 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Rock revetment on the waterside (WS) slope. (Plans for installing a gas line through the levee authorized under Permit No. 4867, 1965 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007].
 FS Date: 10/21/2013

Photo 1 of 3 : UCIP_SP_2020_23479_40724.jpg



View of landward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	6.12	Rating **	M	Issue No.	63 (cont)
LM End	6.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID	21360				

Photo 2 of 3 : UCIP_SP_2020_23479_40723.jpg



Pipeline marker on landward side.

LM Start	6.12	Rating **	M	Issue No.	63 (cont)
LM End	6.12	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_23479_40722.jpg



View of waterward side.

LM Start	6.18	Rating **	M	Issue No.	6
LM End	6.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.187481 °	39.187481 °
				-121.910852 °	-121.910852 °
DWR ID	DWR_RD0070_01_s_2012_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_29_6_20200326_00066.jpg



View of vehicle erosion along the waterside slope. Spring 2020.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	6.58	Rating **	M	Issue No.	64 (cont)
LM End	6.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.192336 °	39.192336 °
				-121.914637 °	-121.914637 °
DWR ID	21341				

Photo 2 of 3 : UCIP_SP_2020_46422_40914.jpg



View of waterward side.

LM Start	6.58	Rating **	M	Issue No.	64 (cont)
LM End	6.58	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_46422_40913.jpg



View of waterward slope and pipe at levee toe.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/25/2020 03/25/2020	Makar Sokol

LM Start	6.87	Rating **	M	Issue No.	46
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.195560 °	39.195560 °	
			-121.918180 °	-121.918180 °	
DWR ID	DWR_RD0070_01_s_2019_46				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The logs should be removed from waterside slope and shoulder.					

No Photos

LM Start	7.80	Rating **	M	Issue No.	66
LM End	7.80	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.195148 °	39.195148 °	
			-121.933849 °	-121.933849 °	
DWR ID	21345				
Comment Code					
Inspector Comment					
DS_ID:21345 FS_ID:23529 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 corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Incline pump on the waterside (WS). Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Pipe discharges into a concrete box at the landside (LS) toe. Service pole on the LS. (Retention of a 24-inch CMP through the levee, 16.5 feet below the crown, a slant pump, a slide gate in a CMP riser, a box, and a service pole authorized under Automatic Board Order (ABO) issued as Permit No. 9942, 1974 - R. W. and H. Evelyn Draper). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 330+00)]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2020_23529_40964.jpg



View of waterward slope.

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

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 0070 Meridian

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

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2020 - 3/27/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	0.05	Rating **	U	Issue No.	103 (cont)
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID	21382				

Photo 2 of 3 : UCIP_SP_2020_52618_42060.jpg



View of pump on waterward side.

LM Start	0.05	Rating **	U	Issue No.	103 (cont)
LM End	0.05	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_52618_42062.jpg



View of levee slope on landward side.

LM Start	0.07	Rating **	A/W	Issue No.	74
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.193083 °	39.193083 °
				-121.935258 °	-121.935258 °
DWR ID	LMA-22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Site ID No:142 Site Designation:LMA-22 Problematic site was not found. No erosion observed. The erosion is down by the summer water line in the rocks. Continue monitoring the site.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	0.65	Rating **	M	Issue No.	102
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.187407 °	39.187407 °	
			-121.938646 °	-121.938646 °	
DWR ID	DWR_RD0070_02_s_2019_102				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.85	Rating **	U	Issue No.	101
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.185567 °	39.185567 °	
			-121.941427 °	-121.941427 °	
DWR ID	DWR_RD0070_02_s_2019_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_101_20200226_00020.jpg



View of large rodent holes on the waterside slope. Spring 2019.

LM Start	0.93	Rating **	M	Issue No.	100
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.184651 °	39.184651 °	
			-121.942219 °	-121.942219 °	
DWR ID	DWR_RD0070_02_s_2019_100				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	1.04	Rating **	M	Issue No.	104
LM End	1.04	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.183211 °	39.183211 °	
			-121.943237 °	-121.943237 °	
DWR ID	21412				
Comment Code					
Inspector Comment					
<p>DS_ID:21412 FS_ID:54252 EP_NO: 1575 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/24/2019 Permit 9973-1 issued to remove and replace an existing 20-inch steel pipe. (O.Yakimov - DWR UCIP) 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 irrigation discharge pipe through the levee, 17 feet below the crown. Pump and 10-inch slide gate in a pump house on the waterside (WS). Concrete collar at the WS toe. Power pole on the WS slope. Anchor on the landside (LS) slope. Rock revetment on the WS slope. (Plans for installing an irrigation pumping plant and a 20-inch discharge pipe through the levee authorized under Permit No. 1575, 1951 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 7/24/2019 10:59:26 AM</p>					

Photo 1 of 3 : UCIP_SP_2020_54252_42036.jpg



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

LM Start	1.04	Rating **	M	Issue No.	104 (cont)
LM End	1.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_54252_42041.jpg



Pump station on waterward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	1.04	Rating **	M	Issue No.	104 (cont)
LM End	1.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183211 °	39.183211 °
				-121.943237 °	-121.943237 °
DWR ID	21412				

Photo 3 of 3 : UCIP_SP_2020_54252_42042.jpg



Inside view of concrete distribution box located on waterward side.

LM Start	1.17	Rating **	M	Issue No.	41
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.181400 °	39.179369 °
				-121.943803 °	-121.943780 °
DWR ID	DWR_RD0070_02_s_2020_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_41_20200421_00119.jpg



View of vegetation along the landside slope. Spring 2020.

LM Start	1.23	Rating **	M	Issue No.	99
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.180515 °	39.180515 °
				-121.943885 °	-121.943885 °
DWR ID	DWR_RD0070_02_s_2019_99				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_99_20200226_00019.jpg



View of the ruts in the crown surface. Fall 2019.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	1.35	Rating **	M	Issue No.	105 (cont)
LM End	1.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.178895 °	39.178895 °
				-121.943340 °	-121.943340 °
DWR ID	21365				

Photo 3 of 3 : UCIP_SP_2020_23885_41815.jpg



Concrete structure located on waterward side with screw gate.

LM Start	1.87	Rating **	M	Issue No.	106
LM End	1.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID	21366				

Photo 1 of 3 : UCIP_SP_2020_23888_41819.jpg



View of levee crown and waterward side.

Comment Code					
Inspector Comment					
DS_ID:21366 FS_ID:23888 EP_NO: 9996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need inside photo of the concrete distribution box located at the landward toe. Debris found on waterward slope (conduit running parallel to levee). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 24 feet below the crown. Gate valve in a concrete U-shaped headwall on the waterside (WS) slope. Pump and switch house on the WS shoulder. Discharge box at the landside (LS) toe. (Retention of a 12-inch steel pipe through the levee, 24 feet below the crown, a pump, a gate valve, a switch house, and a discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9996, 1974 - Chas. F. and Nora M. Reische, et al.). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	1.87	Rating **	M	Issue No.	106 (cont)
LM End	1.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID	21366				

Photo 2 of 3 : UCIP_SP_2020_23888_41822.jpg



View of slope on waterward side.

LM Start	1.87	Rating **	M	Issue No.	106 (cont)
LM End	1.87	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_23888_41821.jpg



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

LM Start	1.98	Rating **	A/W	Issue No.	98
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171231 °	39.171231 °
				-121.937115 °	-121.937115 °
DWR ID	DWR_RD0070_02_s_2019_98				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Surface runoff is causing erosion/rills.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	2.61	Rating **	M	Issue No.	107 (cont)
LM End	2.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162424 °	39.162424 °
				-121.934201 °	-121.934201 °
DWR ID	21368				

Photo 3 of 3 : UCIP_SP_2020_23891_41837.jpg



Dense vegetation covers pipe intake on waterward side.

LM Start	2.78	Rating **	M	Issue No.	108
LM End	2.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160540 °	39.160540 °
				-121.932382 °	-121.932382 °
DWR ID	21369				

Photo 1 of 3 : UCIP_SP_2020_23892_41839.jpg



View of waterward side.

Comment Code					
Inspector Comment					
DS_ID:21369 FS_ID:23892 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 corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate on the waterside (WS) end. (Cat. IVA). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	3.35	Rating **	M	Issue No.	109
LM End	3.35	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.156068 °	39.156068 °	
			-121.923453 °	-121.923453 °	
DWR ID	21370				
Comment Code					
Inspector Comment					
DS_ID:21370 FS_ID:24115 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 drainage pipe of an unknown material through the levee, 18.5 feet below the crown. Slide gate on a concrete gate structure on the berm. [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_SP_2020_24115_42495.jpg



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

LM Start	3.35	Rating **	M	Issue No.	109 (cont)
LM End	3.35	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2020_24115_42496.jpg



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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	3.40	Rating **	M	Issue No.	110
LM End	3.40	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.155648 °	39.155648 °	
			-121.922823 °	-121.922823 °	
DWR ID	21371				
Comment Code					
Inspector Comment					
DS_ID:21371 FS_ID:24117 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 drainage pipe of an unknown material through the levee, 18.5 feet below the crown. Slide gate on a concrete gate structure on the berm. [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_SP_2020_24117_42502.jpg



View of pipe on landward side.

LM Start	3.40	Rating **	M	Issue No.	110 (cont)
LM End	3.40	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2020_24117_42501.jpg



View of concrete headwall and screw gate on waterward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	113 (cont)
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID	21429				

Photo 2 of 3 : UCIP_SP_2020_47030_42567.jpg



View of conduit pipes through levee.

LM Start	4.11	Rating **	M	Issue No.	113 (cont)
LM End	4.11	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_47030_42569.jpg



View of pumps located on waterward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	114
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.147247 °	39.147247 °	
			-121.916691 °	-121.916691 °	
DWR ID	21373				
Comment Code					
Inspector Comment					
<p>DS_ID:21373 FS_ID:47032 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm 54-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 2] 4 of 4: 54-inch steel irrigation discharge pipe through the levee, 24 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in a surge box on the waterside (WS). Concrete pump pit on the WS slope. Three pumps on a structure on the WS. Walkway to the pumps. Concrete headwall on the landside (LS). Pipe discharges into a concrete lined irrigation ditch on the LS. Debris deflectors in the river. (Plans for construction of a pumping plant and related facilities to replace an existing plant on the left bank of the Sacramento River authorized under Permit No. 4525, 1964 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013</p>					

Photo 1 of 3 : UCIP_SP_2020_47032_42076.jpg



View of walkway and pump station on waterward side.

LM Start	4.11	Rating **	M	Issue No.	114 (cont)
LM End	4.11	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_47032_42080.jpg



View of conduit pipes through levee.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	114 (cont)
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147247 °	39.147247 °
				-121.916691 °	-121.916691 °
DWR ID	21373				

Photo 3 of 3 : UCIP_SP_2020_47032_42082.jpg



View of pumps located on waterward side.

LM Start	4.12	Rating **	M	Issue No.	115
LM End	4.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147072 °	39.147072 °
				-121.916783 °	-121.916783 °
DWR ID	21374				

Photo 1 of 3 : UCIP_SP_2020_24165_42573.jpg



View of levee crown.

Comment Code					
Inspector Comment					
DS_ID:21374 FS_ID:24165 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-inch steel natural gas pipeline (not 3.5-inch, as mentioned in the desk study) through the levee, 3 feet below the crown. 8-foot by 10-foot by 1-foot concrete inspection well with a metal cover on the waterside (WS) shoulder. Rock revetment on the WS slope. Painted aluminum marker on the WS. Contact information provided on marker: (916) 742-7344 and for emergencies call (916) 742-3251. (Plans for the construction of a natural gas pipeline across the Sacramento River and the east and west levees thereof authorized under Permit No. 767, 1938 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.17	Rating **	M	Issue No.	118
LM End	4.17	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.146298 °	39.146298 °	
			-121.916993 °	-121.916993 °	
DWR ID	21425				
Comment Code					
Inspector Comment					
DS_ID:21425 FS_ID:23961 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 water supply pipe of an unknown material through the levee, 2 feet below the crown. Seed washing plant with concrete catch basin and pan on the landside (LS) slope. Concrete sump on the waterside (WS) slope. Intake pump on the WS slope. [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 496+25)]. FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_SP_2020_23961_42098.jpg



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

LM Start	4.26	Rating **	C	Issue No.	90
LM End	4.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		39.145075 °	39.142673 °	
			-121.917203 °	-121.918015 °	
DWR ID	DWR_RD0070_02_f_2019_90				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.27	Rating **	M	Issue No.	91
LM End	4.34	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.144840 °	39.143892 °	
			-121.917259 °	-121.917547 °	
DWR ID	DWR_RD0070_02_s_2019_91				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	4.33	Rating **	M	Issue No.	47
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.144069 °	39.140770 °	
			-121.917472 °	-121.921215 °	
DWR ID	DWR_RD0070_02_s_2020_47				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.35	Rating **	U	Issue No.	92
LM End	4.35	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.143750 °	39.143750 °	
			-121.917460 °	-121.917460 °	
DWR ID	DWR_RD0070_02_s_2019_92				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_92_20200226_00018.jpg



View of the unpermitted outbuilding at the landside toe. Spring 2019.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	119 (cont)
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID	21379				

Photo 2 of 3 : UCIP_SP_2020_23962_42104.jpg



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

LM Start	4.55	Rating **	M	Issue No.	119 (cont)
LM End	4.55	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_23962_42101.jpg



Photo of the concrete distribution box located on waterward side.

LM Start	4.59	Rating **	M	Issue No.	53
LM End	4.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.140975 °	39.140975 °
				-121.919907 °	-121.919907 °
DWR ID	DWR_RD0070_02_f_2016_53				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2020_RD0070_30_53_20200226_00003.jpg



View of the prunings along the landside toe.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.76	Rating **	M	Issue No.	120
LM End	4.76	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.141136 °	39.141136 °	
			-121.922785 °	-121.922785 °	
DWR ID	21380				
Comment Code					
Inspector Comment					
<p>DS_ID:21380 FS_ID:24166 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 irrigation discharge pipe through the levee, 4.8 feet below the crown. Corrugated metal cutoff wall around the pipe at the center of the levee. Siphon breaker on the landside (LS) slope, not found. Pump in a pump house on the waterside (WS) shoulder. Shutoff valve on the LS. Concrete discharge box at the LS toe. (Retention of a 10-inch steel pipe through the levee, 4.8 feet below the crown, a pump, a service pole, a siphon breaker, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9970, 1974 - Arnold Chesini). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 526+71)]. FS Date: 10/22/2013</p>					

Photo 1 of 3 : UCIP_SP_2020_24166_42581.jpg



Enter photo 7 description or comment here.

LM Start	4.76	Rating **	M	Issue No.	120 (cont)
LM End	4.76	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_24166_42580.jpg



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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	4.76	Rating **	M	Issue No.	120 (cont)
LM End	4.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID	21380				

Photo 3 of 3 : UCIP_SP_2020_24166_42583.jpg



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

LM Start	4.95	Rating **	C	Issue No.	54
LM End	4.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.142016 °	39.142016 °
				-121.926214 °	-121.926214 °
DWR ID	DWR_RD0070_02_f_2016_54				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.98	Rating **	U	Issue No.	9
LM End	4.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.142046 °	39.142046 °
				-121.926848 °	-121.926848 °
DWR ID	DWR_RD0070_02_s_2012_9				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_9_20200226_00002.jpg



View of a building within the easement of the levee.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	5.03	Rating **	U	Issue No.	89
LM End	5.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.141997 °	39.141905 °	
			-121.927776 °	-121.928654 °	
DWR ID	DWR_RD0070_02_s_2019_89				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 3 : SP_2020_RD0070_30_89_20200226_00015.jpg



View of the rodent burrows on the landside slope. Spring 2019.

LM Start	5.03	Rating **	U	Issue No.	89 (cont)
LM End	5.08	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2020_RD0070_30_89_20200226_00016.jpg



Another view of the rodent burrows on the landside slope. Spring 2019.

LM Start	5.03	Rating **	U	Issue No.	89 (cont)
LM End	5.08	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2020_RD0070_30_89_20200226_00017.jpg



Upclose view of a large rodent burrow. Spring 2019.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	6.28	Rating **	M	Issue No.	122 (cont)
LM End	6.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133847 °	39.133847 °
				-121.937689 °	-121.937689 °
DWR ID	21385				

Photo 3 of 3 : UCIP_SP_2020_23965_42122.jpg



Sign visible on waterward side.

LM Start	6.32	Rating **	M	Issue No.	56
LM End	7.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.133450 °	39.129024 °
				-121.937361 °	-121.924632 °
DWR ID	DWR_RD0070_02_f_2016_56				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_56_20200421_00120.jpg



View of the ditch along the landside toe. Spring 2020.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	7.16	Rating **	M	Issue No.	51
LM End	7.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.128398 °	39.127284 °	
			-121.923752 °	-121.922505 °	
DWR ID	DWR_RD0070_02_s_2020_51				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.57	Rating **	M	Issue No.	55
LM End	7.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.124357 °	39.124474 °	
			-121.918398 °	-121.914111 °	
DWR ID	DWR_RD0070_02_s_2020_55				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.64	Rating **	C	Issue No.	58
LM End	7.64	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.124479 °	39.124479 °	
			-121.917081 °	-121.917081 °	
DWR ID	DWR_RD0070_02_f_2016_58				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	7.74	Rating **	N	Issue No.	59
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.124503 °	39.124503 °	
			-121.915252 °	-121.915252 °	
DWR ID	DWR_RD0070_02_f_2016_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	7.82	Rating **	M	Issue No.	124
LM End	7.82	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.124562 °	39.124562 °	
			-121.913758 °	-121.913758 °	
DWR ID	21387				
Comment Code					
Inspector Comment					
<p>DS_ID:21387 FS_ID:23966 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 coated steel irrigation discharge pipe and 1.5-inch electrical conduit of an unknown material through the levee, 12 feet and 8 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Concrete cutoff wall under each shoulder. Pump and gate valve on a pile structure in the stream. Walkway to the pump. Concrete standpipe on the landside (LS). (retain 10-inch concrete-encased steel pipe, pump and gate valve, concrete standpipe, and two concrete headwalls authorized under Automatic Board Order (ABO) issued as Permit No. 9966, 1976 - Ray and Janice Anderson). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 689+50)]. FS Date: 10/23/2013</p>					

Photo 1 of 3 : UCIP_SP_2020_23966_42128.jpg



Pump house located on waterward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	7.82	Rating **	M	Issue No.	124 (cont)
LM End	7.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID	21387				

Photo 2 of 3 : UCIP_SP_2020_23966_42126.jpg



Concrete headwall located on waterward side.

LM Start	7.82	Rating **	M	Issue No.	124 (cont)
LM End	7.82	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_23966_42127.jpg



Stand pipe located on landward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	7.92	Rating **	M	Issue No.	125
LM End	7.92	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.124543 °	39.124543 °	
			-121.911996 °	-121.911996 °	
DWR ID	21389				
Comment Code					
Inspector Comment					
DS_ID:21389 FS_ID:24191 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 the permit) irrigation discharge pipe of an unknown material through the levee, 5 feet below the crown. Pump on the waterside (WS). Double concrete discharge box at the landside (LS) toe. (Plans for installing an irrigation pumping plant and a 14-inch steel discharge pipe through the levee authorized under Permit No. 1264, 1948 - Robert Chesney). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2020_24191_42677.jpg



View of levee crown at crossing.

LM Start	7.92	Rating **	M	Issue No.	125 (cont)
LM End	7.92	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_24191_42678.jpg



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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	8.12	Rating **	M	Issue No.	127
LM End	8.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.122347 °	39.122347 °
				-121.909592 °	-121.909592 °
DWR ID	21390				

Comment Code

Inspector Comment

DS_ID:21390
 FS_ID:50007
 EP_NO: 10371
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 7/07/2016 Crossing was downgraded from Urgent to Non-Urgent -- siphon breaker leak was repaired back in September 2015. Still need to coordinate with owner for additional details regarding pipe (install date, owner confirmation, and crossing size change from 15-inch to 12-inch). Also dense vegetation visible along pipe on both WS and LS slopes. (DWR UCIP - omagana)9/15/2015 Leak was caused by leaky siphon breaker. Siphon breaker was repaired and a protective encasing around the siphon breaker was installed. Levee was repaired. Need to contact owner to determine additional information regarding the pipe. (DWR UCIP - omagana)7/28/2015 Hole present on waterward slope has gotten worse since last inspection. The hole is located less than 2 feet from S Meridian Road (county road). Dense vegetation on waterward slope limits visual inspection to determine extent of levee damage or cause. According to LMA representative the damage on the slope was caused by leaky siphon breaker. LMA representative has notified owner to stop use of pipe. Based on the extent of the damage visible from prior inspection and the age of the pipe, this pipe would be a good candidate for video or pressure test to confirm the integrity of pipe through levee (county road). Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)10/23/2013 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 inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0391. (DWR UCIP - omagana)
 FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe and electrical conduit of an unknown material through the levee, 3 and 2 feet below the crown, respectively. Steel cutoff wall around the pipe and conduit at the center of the levee. Siphon breaker in a protective housing on the waterside (WS) shoulder. Discharge structure at the landside (LS) toe. Slant pump on the WS. Power pole on the LS. (Plans to install a slant pump with a 12-inch irrigation pipe through the levee authorized under Permit No. 10371, 1974 - Frances Yates, care of Gillett-Harris-Duranceau/Associates. Plans to install a slant pump and motor in the channel and a discharge pipe through the levee authorized under Permit 10371-A, 1979 - Roy Moresco. Unknown permit authorizing current 12-inch pipe). [Additional Reference(s): DWR Levee

Photo 1 of 3 : UCIP_SP_2020_50007_42684.jpg



Vegetation on WS where leak found.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	9.00	Rating **	M	Issue No.	128
LM End	9.00	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.110878 °	39.110878 °	
			-121.902775 °	-121.902775 °	
DWR ID	21423				
Comment Code					
Inspector Comment					
DS_ID:21423 FS_ID:24108 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 Company Pumping Plant No. 3] 2 of 3: 16-inch irrigation discharge pipe of an unknown material (not a 30-inch pipe, as mentioned in the desk study) through the levee, 20.5 feet below the crown. Gate valve on the waterside (WS) end. Pump on a pile structure in the stream. Wooden walkway to the pump. Concrete distribution box on the landside (LS). (Retention of a 30-inch steel pipe through the levee, 20.5 feet below the crown, a pump, a gate valve, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9971, 1974 - Georgia Chesney, Life Estate. Plans to demolish and remove the existing Meridian Diversion Pumping Facility and the existing Drexler Diversion Pumping Facility and to construct a new Meridian Diversion Pumping Facility with two retractable fish screens and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2020_24108_42463.jpg



View of landward side--pump station and walkway

LM Start	9.00	Rating **	M	Issue No.	128 (cont)
LM End	9.00	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_24108_42465.jpg



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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	9.00	Rating **	M	Issue No.	128 (cont)
LM End	9.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110878 °	39.110878 °
				-121.902775 °	-121.902775 °
DWR ID	21423				

Photo 3 of 3 : UCIP_SP_2020_24108_42464.jpg



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

LM Start	9.01	Rating **	M	Issue No.	129
LM End	9.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID	21394				

Comment Code

Inspector Comment

DS_ID:21394
 FS_ID:24107
 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 Company Pumping Plant No. 3] 3 of 3: 24-inch irrigation discharge pipe of an unknown material through the levee, 20.5 feet below the crown. Gate valve on the waterside (WS) end. Pump on a pile structure in the stream. Wooden walkway to the pump. Concrete distribution box on the landside (LS). (Plans to demolish and remove the existing Meridian Diversion Pumping Facility and the existing Drexler Diversion Pumping Facility and to construct a new Meridian Diversion Pumping Facility with two retractable fish screens and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007].
 FS Date: 10/23/2013

Photo 1 of 3 : UCIP_SP_2020_24107_42457.jpg



View of waterward side--pump station and walkway.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	9.01	Rating **	M	Issue No.	129 (cont)
LM End	9.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID	21394				

Photo 2 of 3 : UCIP_SP_2020_24107_42458.jpg



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

LM Start	9.01	Rating **	M	Issue No.	129 (cont)
LM End	9.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_24107_42461.jpg



View of pipes located on waterward side.

LM Start	9.11	Rating **	M	Issue No.	57
LM End	9.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.109496 °	39.103333 °
				-121.901998 °	-121.899632 °
DWR ID	DWR_RD0070_02_s_2020_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	9.57	Rating **	M	Issue No.	62
LM End	9.70	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.103192 °	39.101213 °	
			-121.899606 °	-121.899380 °	
DWR ID	DWR_RD0070_02_f_2016_62				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_62_20200226_00007.jpg



View of a ditch along the landside toe.

LM Start	9.69	Rating **	N	Issue No.	63
LM End	9.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.101343 °	39.101343 °	
			-121.899381 °	-121.899381 °	
DWR ID	DWR_RD0070_02_f_2016_63				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	9.93	Rating **	M	Issue No.	60
LM End	10.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.098362 °	39.097624 °	
			-121.897599 °	-121.896275 °	
DWR ID	DWR_RD0070_02_s_2020_60				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	10.13	Rating **	M	Issue No.	42
LM End	10.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.097043 °	39.097043 °	
			-121.894232 °	-121.894232 °	
DWR ID	DWR_RD0070_02_f_2019_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	10.15	Rating **	M	Issue No.	130
LM End	10.15	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.096935 °	39.096935 °	
			-121.893870 °	-121.893870 °	
DWR ID	21396				
Comment Code					
Inspector Comment					
DS_ID:21396 FS_ID:23967 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 of an unknown material or purpose through the levee, 3.1 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Concrete plug on the LS end. Wooden distribution box on the LS at the discharge end. (Cat. IV-A). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 813+00)]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2020_23967_42129.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	10.40	Rating **	U	Issue No.	132 (cont)
LM End	10.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093699 °	39.093699 °
				-121.892553 °	-121.892553 °
DWR ID	21430				

Photo 3 of 3 : UCIP_SP_2020_56122_83368.jpg



View of WS at crossing. Photo courteously provided by CVFPB.

LM Start	10.50	Rating **	M	Issue No.	61
LM End	11.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.092245 °	39.083439 °
				-121.892348 °	-121.888047 °
DWR ID	DWR_RD0070_02_s_2020_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.71	Rating **	U	Issue No.	78
LM End	10.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.089312 °	39.089312 °
				-121.893624 °	-121.893624 °
DWR ID	DWR_RD0070_02_s_2019_78				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_78_20200226_00014.jpg



View of the rodent burrows on the landside slope and toe. Spring 2019.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	10.72	Rating **	M	Issue No.	76
LM End	11.02	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.089301 °	39.086578 °	
			-121.893635 °	-121.890743 °	
DWR ID	DWR_RD0070_02_s_2019_76				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	11.06	Rating **	M	Issue No.	43
LM End	11.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.086219 °	39.084972 °	
			-121.890071 °	-121.889045 °	
DWR ID	DWR_RD0070_02_s_2020_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	11.61	Rating **	M	Issue No.	133 (cont)
LM End	11.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.080517 °	39.080517 °
				-121.890574 °	-121.890574 °
DWR ID	21400				

Photo 2 of 3 : UCIP_SP_2020_24197_42698.jpg



View of landward slope.

LM Start	12.17	Rating **	M	Issue No.	133 (cont)
LM End	12.17	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_24197_42697.jpg



View of concrete slab with pump located on landward side.

LM Start	12.17	Rating **	M	Issue No.	44
LM End	12.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.074678 °	39.074678 °
				-121.890099 °	-121.890099 °
DWR ID	DWR_RD0070_02_f_2019_44				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	12.24	Rating **	M	Issue No.	67
LM End	12.55	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.073793 °	39.072519 °	
			-121.889443 °	-121.884451 °	
DWR ID	DWR_RD0070_02_s_2019_67				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	12.37	Rating **	M	Issue No.	134
LM End	12.37	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.072540 °	39.072540 °	
			-121.887807 °	-121.887807 °	
DWR ID	21402				
Comment Code					
Inspector Comment					
DS_ID:21402 FS_ID:47033 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 irrigation discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Pump and control valve on the waterside (WS). Power pole on the WS shoulder. Discharge box at the LS toe. (Retention of a 12-inch steel pipe through the levee, 3.5 feet below the crown, a pump, a control valve, a siphon breaker, and a discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9997, 1974 - H. and Anne M. Rohleder). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 930+22)]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2020_47033_42141.jpg



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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	12.37	Rating **	M	Issue No.	134 (cont)
LM End	12.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072540 °	39.072540 °
				-121.887807 °	-121.887807 °
DWR ID	21402				

Photo 2 of 3 : UCIP_SP_2020_47033_42139.jpg



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

LM Start	12.37	Rating **	M	Issue No.	134 (cont)
LM End	12.37	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_47033_42143.jpg



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

LM Start	12.41	Rating **	M	Issue No.	68
LM End	12.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.072455 °	39.072538 °
				-121.886942 °	-121.884830 °
DWR ID	DWR_RD0070_02_s_2020_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	12.46	Rating **	M	Issue No.	135
LM End	12.46	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.072512 °	39.072512 °	
			-121.886000 °	-121.886000 °	
DWR ID	21403				
Comment Code					
Inspector Comment					
DS_ID:21403 FS_ID:23984 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 coated steel natural gas pipeline through the levee, 3 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Marker sign on the waterside (WS) shoulder. Natural gas equipment pad at the landside (LS) toe. (Plans to construct and maintain a 20-inch gas line across the Sacramento River authorized under Permit No. 3800, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2020_23984_42172.jpg



Marker located on waterward side.

LM Start	12.46	Rating **	M	Issue No.	135 (cont)
LM End	12.46	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_23984_42171.jpg



Marker on landward side.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	12.46	Rating **	M	Issue No.	135 (cont)
LM End	12.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072512 °	39.072512 °
				-121.886000 °	-121.886000 °
DWR ID	21403				

Photo 3 of 3 : UCIP_SP_2020_23984_42170.jpg



Additional appurtenances located on landward side.

LM Start	12.79	Rating **	M	Issue No.	64
LM End	12.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.071647 °	39.071647 °
				-121.879998 °	-121.879998 °
DWR ID	DWR_RD0070_02_s_2020_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0070_30_64_20200421_00121.jpg



View of rodent holes on the landside slope. Spring 2020.

LM Start	12.93	Rating **	C	Issue No.	66
LM End	13.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.071323 °	39.070900 °
				-121.877606 °	-121.875728 °
DWR ID	DWR_RD0070_02_s_2019_66				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Sloughing on the landside slope occurred during the February 2019 storms. A temporary solution was used to address the issue. Permanent repairs were completed to stabilize the slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	13.59	Rating **	M	Issue No.	50
LM End	13.79	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.067940 °	39.068381 °	
			-121.867102 °	-121.863458 °	
DWR ID	DWR_RD0070_02_s_2019_50				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	13.76	Rating **	C	Issue No.	70
LM End	13.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.068326 °	39.068326 °	
			-121.863902 °	-121.863902 °	
DWR ID	DWR_RD0070_02_f_2019_70				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the fallen tree from the waterside slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	13.82	Rating **	M	Issue No.	136
LM End	13.82	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.068270 °	39.068270 °	
			-121.862909 °	-121.862909 °	
DWR ID	21407				
Comment Code					
Inspector Comment					
DS_ID:21407 FS_ID:47039 EP_NO: 9995 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Records show a 24-inch iron pipe through the waterward side along the old gaging station with the concrete structure located on the waterward slope. FIELD_STRUCT_DESC: [Reclamation District No. 70 (RD0070) Drainage Plant] 1 of 5: 30-inch steel drainage discharge pipe through the levee at low elevation. Pipe is concrete encased under the crown, between the shoulders. Slide gate on the landside (LS). Flap gate in a secured structure on the waterside (WS) end. (Retention of a 30-inch steel drainage pipe through the levee, at low elevation, a slide gate, and a flap gate authorized under Automatic Board Order (ABO) issued as Permit No. 9995, 1974 - RD0070. Plans to construct a 10-foot by 12-foot by 19-foot concrete outlet structure on existing outlet pipes, to repair leaking pipes, to repair existing pumping plant, and to install sheet piling at the inlet ditch to allow continued operation of the pumping plant by the district authorized under Permit No. 13420, 1982 - RD0070). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 1007+10), referenced pipes at this location are 48 inches, 40 inches, and 50 inches]. FS Date: 10/23/2013					

Photo 1 of 1 : UCIP_SP_2020_47039_42800.jpg



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

LM Start	13.82	Rating **	A/W	Issue No.	72
LM End	13.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.068370 °	39.068370 °	
			-121.862763 °	-121.862763 °	
DWR ID	DWR_RD0070_02_s_2017_72				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 1 of 1 : SP_2020_RD0070_30_72_20200226_00010.jpg



View of the erosion along the waterside slope.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	13.83	Rating **	A/W	Issue No.	75 (cont)
LM End	13.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.068190 °	39.068190 °
				-121.862700 °	-121.862700 °
DWR ID	RD 70-01				

Photo 3 of 3 : LEVAL_SP_2020_152_1730.jpg



LM Start	13.95	Rating **	C	Issue No.	94
LM End	14.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.068692 °	39.069846 °
				-121.860561 °	-121.857260 °
DWR ID	DWR_RD0070_02_f_2019_94				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.96	Rating **	M	Issue No.	48
LM End	14.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.068777 °	39.071666 °
				-121.860308 °	-121.853476 °
DWR ID	DWR_RD0070_02_s_2019_48				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	14.59	Rating **	M	Issue No.	45
LM End	14.70	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.072166 °	39.071421 °	
			-121.849686 °	-121.847906 °	
DWR ID	DWR_RD0070_02_s_2019_45				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	15.20	Rating **	M	Issue No.	69
LM End	15.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.066354 °	39.063664 °	
			-121.841262 °	-121.837868 °	
DWR ID	DWR_RD0070_02_s_2020_69				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/27/2020 03/27/2020	Makar Sokol

LM Start	15.33	Rating **	M	Issue No.	137
LM End	15.33	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.065303 °	39.065303 °	
			-121.839230 °	-121.839230 °	
DWR ID	21421				
Comment Code					
Inspector Comment					
DS_ID:21421 FS_ID:24229 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 irrigation discharge pipe sleeved through a 30-inch coated steel pipe through the levee, 24 feet below the crown. Gate valve on the waterside (WS) end. Concrete headwall with a flap gate on the landside (LS). Pump on a pile structure in the stream. Wooden walkway to the pump. (Retention of two 24-inch steel pipes through the levee, 24 feet below the crown, two pumps, and two gate valves authorized under Automatic Board Order (ABO) issued as Permit No. 9990, 1974 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 1086+55)]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2020_24229_42848.jpg



Walkway and pump house on waterward side.

LM Start	15.33	Rating **	M	Issue No.	137 (cont)
LM End	15.33	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_24229_42849.jpg



Pump house located on waterward side.

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