

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0017	Overall LMA Rating	Total LMA Miles							
Reclamation District No. 0017 Mossdale	A	16.03							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.05		0.05	0.31%	0.01				
Encroachments	0.01		0.01	0.06%	0.07				
Animal Control	0.09		0.09	0.56%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.06%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.63	0.04			
DRAFT DWR UCIP LMA Responsibility									
<i>LMA Totals:</i>	0.16	0.00	0.16	1.00%	0.71	0.04	0.00	0.00	

Unit No. 01 French Camp Slough LB	Overall Unit Rating	Total Unit Miles							
RD0017	A	1.76							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments	0.01		0.01	0.57%					
Animal Control	0.02		0.02	1.14%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.05				
<i>Unit Totals:</i>	0.03	0.00	0.03	1.70%	0.05	0.00	0.00	0.00	

Unit No. 02 San Joaquin River RB	Overall Unit Rating	Total Unit Miles							
RD0017	A	14.27							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.05		0.05	0.35%	0.01				
Encroachments					0.07				
Animal Control	0.07		0.07	0.49%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.07%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.58	0.04			
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.13	0.00	0.13	0.91%	0.66	0.04	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2019 Levee Inspection Results**

Reclamation District No. 0017 Mossdale

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway		Bank	Unit Miles	
Unit No. 01 French Camp Slough		Left	1.76	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/23/2019 - 4/23/2019		9/24/2019 - 9/24/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Richard Toy KSN		Richard Toy KSN	
	Scott Solari RD 17		Scott Solari RD 17	
	Richard Willoughby DWR			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_RD0017_01_s_2013_1				
Comment Code					
Inspector Comment					
LMA has a copy of the manual on file.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_RD0017_01_s_2013_2				
Comment Code					
Inspector Comment					
LMA has adequate flood fight supplies.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_RD0017_01_s_2013_3				
Comment Code					
Inspector Comment					
District staff are involved in training sponsored by DWR.					

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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.03	Rating **	M	Issue No.	12 (cont)
LM End	0.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID	1				
Comment Code					
Inspector Comment					
DS_ID:1 FS_ID:40603 EP_NO: 6623 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Marker missing on landward side. 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: 5.563-inch welded steel natural gas pipeline through the levees, 4.5 feet below the crown, across the channels and overflow area. (5-inch gas line authorized under Permit No. 6623, 1969 - Laymac Corporation) [Additional Reference(s): DWR Levee Logs, 1981, 2003]. FS Date: 2/3/2010					

Photo 3 of 3 : UCIP_FA_2019_40603_38478.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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.15	Rating **	M	Issue No.	13 (cont)
LM End	0.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID	72				
Comment Code					
Inspector Comment					
DS_ID:72 FS_ID:49990 EP_NO: 15185 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/06/2018 Received supporting information from T. Marlow with KSN pertaining to line. PG&E has installed gas line distribution markers on both shoulder of the levee. Crossing is an active line. PG&E performs a leak survey at least twice a year according to Mr. R. Muok, Supervisor, Gas Pipeline Operations and Maintenance Stockton. Mr. Muok can be reached at 209-406-7926. Crossing has been downgraded from Urgent to Non-Urgent--pipe is inspected by owner. UCIP will need to coordinate with PG&E to obtain confirmation of inspections, obtain emergency contact information, and maintenance contact information. (DWR UCIP - O. Magana) 07/12/2016 No markers (no photos taken in 2016). Need to contact owner to determine status of crossing. If crossing is active, owner will need to coordinate with CVFPB to install markers to comply with Title 23. (DWR UCIP - omagana)5/19/2015 Need to install gasline markers. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 8-inch soil proofed steel gas main through the left bank levee and under the channel of French Camp Slough. The pipeline has a minimum cover of 20 to 25 feet within the overflow areas and under the channel. (8-inch line authorized under Permit No. 15185, 1989 - Pacific Gas & Electric Company [PG&E]) FS Date: 7/12/2016					

Photo 3 of 3 : UCIP_FA_2019_49990_74220.jpg



LS crown. No gasline markers.

LM Start	0.23	Rating **	M	Issue No.	9
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.913438 °	37.913438 °
				-121.294178 °	-121.294178 °
DWR ID	DWR_RD0017_01_f_2019_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0017_303_9_20191001_00016.jpg



View of rodent hole greater than 6 inches on landside slope. Fall 2019

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.28	Rating **	M	Issue No.	10
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.913466°	37.913466°
				-121.295092°	-121.295092°
DWR ID	DWR_RD0017_01_f_2019_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0017_303_10_20191001_00017.jpg



View of rodent hole greater than 6 inches on landside slope. Fall 2019

LM Start	0.50	Rating **	M	Issue No.	11
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.912851°	37.912851°
				-121.298940°	-121.298940°
DWR ID	DWR_RD0017_01_f_2019_11				
Comment Code					
TR : Tree or limb					
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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Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.31	Rating **	M	Issue No.	14 (cont)
LM End	1.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	2				
Comment Code					
Inspector Comment					
DS_ID:2 FS_ID:40604 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: [Weston Ranch - French Camp Slough Crossings] 1 of 3. 30-inch high-density polyethylene (HDPE) sewer force main (SFM) through the levee, 32 feet below levee crown. All pipes encased in concrete. (two 30-inch force mains (originally issued as 27-inch) and one 12-inch pipe authorized under Permit No. 14992, 1989 - City of Stockton and Richard Blewett) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/3/2010					

Photo 3 of 3 : UCIP_FA_2019_40604_38495.jpg



Manhole found on landward side.

LM Start	1.31	Rating **	M	Issue No.	15
LM End	1.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	159				
Comment Code					
Inspector Comment					
DS_ID:159 FS_ID:52614 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: [Weston Ranch - French Camp Slough Crossings] 2 of 3. 30-inch high-density polyethylene (HDPE) sewer force main (SFM) through the levee, 32 feet below levee crown. All pipes encased in concrete. (two 30-inch force mains (originally issued as 27-inch) and one 12-inch pipe authorized under Permit No. 14992, 1989 - City of Stockton and Richard Blewett) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/3/2010					

Photo 1 of 3 : UCIP_FA_2019_52614_38505.jpg



Overview of levee at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.31	Rating **	M	Issue No.	15 (cont)
LM End	1.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	159				
Comment Code					
Inspector Comment					
DS_ID:159 FS_ID:52614 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: [Weston Ranch - French Camp Slough Crossings] 2 of 3. 30-inch high-density polyethylene (HDPE) sewer force main (SFM) through the levee, 32 feet below levee crown. All pipes encased in concrete. (two 30-inch force mains (originally issued as 27-inch) and one 12-inch pipe authorized under Permit No. 14992, 1989 - City of Stockton and Richard Blewett) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/3/2010					

Photo 2 of 3 : UCIP_FA_2019_52614_38503.jpg



View of landward toe--established neighborhood.

LM Start	1.31	Rating **	M	Issue No.	15 (cont)
LM End	1.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_52614_38509.jpg



Manhole for sanitary sewer visible 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.31	Rating **	M	Issue No.	16 (cont)	
LM End	1.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.915928 °	37.915928 °	
				-121.312471 °	-121.312471 °	
DWR ID	158					
Comment Code						
Inspector Comment						
DS_ID:158 FS_ID:40606 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: [Weston Ranch - French Camp Slough Crossings] 3 of 3. 12-inch high-density polyethylene (HDPE) sewer force main (SFM) through the levee, 32 feet below levee crown. All pipes encased in concrete. (two 30-inch force mains (originally issued as 27-inch) and one 12-inch pipe authorized under Permit No. 14992, 1989 - City of Stockton and Richard Blewett) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/3/2010						

Photo 3 of 3 : UCIP_FA_2019_40606_71940.jpg



Manhole visible 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**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway		Bank	Unit Miles	
Unit No. 02 San Joaquin River		Right	14.27	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/23/2019 - 4/23/2019		9/24/2019 - 9/24/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Richard Toy KSN		Richard Toy KSN	
	Scott Solari RD 17		Scott Solari RD 17	
	Richard Willoughby DWR			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.14	Rating **	M	Issue No.	98
LM End	0.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.914335°	37.914335°
				-121.322387°	-121.322387°
DWR ID	75				
Comment Code					
Inspector Comment					
DS_ID:75 FS_ID:40628 EP_NO: 15093 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenace contract. Need to coordinate with owner. FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pump house. The only items left are 4 pilings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing". FS Date: 2/3/2010					

Photo 1 of 3 : UCIP_FA_2019_40628_38516.jpg



View of landward side.

LM Start	0.14	Rating **	M	Issue No.	98 (cont)
LM End	0.14	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40628_38515.jpg



View of waterward side--pillings inside channel.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.14	Rating **	M	Issue No.	98 (cont)
LM End	0.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID	75				
Comment Code					
Inspector Comment					
DS_ID:75 FS_ID:40628 EP_NO: 15093 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenace contract. Need to coordinate with owner. FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pump house. The only items left are 4 pillings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing". FS Date: 2/3/2010					

Photo 3 of 3 : UCIP_FA_2019_40628_38514.jpg



View of waterward side.

LM Start	0.25	Rating **	C	Issue No.	2
LM End	0.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.913048 °	37.913048 °
				-121.323561 °	-121.323561 °
DWR ID	RD0017U02RM43.51				
Comment Code					
Inspector Comment					
Site ID: RD0017U02RM43.51 08/13/2019: This erosion site has been repaired. 09/13/2017: Erosion occurs along the levee 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.69	Rating **	C	Issue No.	72
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.906868°	37.906868°
				-121.324043°	-121.324043°
DWR ID	DWR_RD0017_02_s_2017_72				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

No Photos

LM Start	0.91	Rating **	C	Issue No.	70
LM End	0.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.904310°	37.904310°
				-121.323386°	-121.323386°
DWR ID	RD0017U02RM44.14				
Comment Code					
Inspector Comment					
Site ID: RD0017U02RM44.14 08/13/2019: This erosion site has been repaired. 09/13/2017: The erosion is located upstream of a big tree.					

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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.08	Rating **	C	Issue No.	71
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.902530 °	37.902530 °
				-121.325690 °	-121.325690 °
DWR ID	RD0017U02RM44.32				
Comment Code					
Inspector Comment					
Site ID: RD0017U02RM44.32 10/29/2019: No new erosion was found at the repaired site. 09/13/2017: The erosion site has been repaired. No new erosion was found at the repaired site. 07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The erosion is nearly vertical, and has developed upward to halfway of the levee slope. The protecting concrete blocks have been washed away. Animal activities are visible.					

No Photos

LM Start	1.13	Rating **	M	Issue No.	73
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.901693 °	37.901693 °
				-121.325582 °	-121.325582 °
DWR ID	DWR_RD0017_02_s_2017_73				
Comment Code					
BU : Building					
Inspector Comment					
Dog kennels are within flood control right of way.					

Photo 1 of 1 : FA_2019_RD0017_304_73_20191001_00194.jpg



View of dog kennels within flood control right of way on landside slope. 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.22	Rating **	C	Issue No.	78
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.900391°	37.900391°
				-121.325514°	-121.325514°
DWR ID	DWR_RD0017_02_s_2019_78				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Rills on the landside slope caused by surface runoff have been repaired.					

No Photos

LM Start	1.23	Rating **	M	Issue No.	101
LM End	1.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.900242°	37.900242°
				-121.325497°	-121.325497°
DWR ID	10				
Comment Code					
Inspector Comment					
DS_ID:10 FS_ID:49637 EP_NO: 15098 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/19/2015 Only signs of electrical conduit found. Need to contact owner to determine status of pipe as no record of removal has been found and only an electrical conduit was found at this location. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.3 feet below levee crown. Electrical conduit through levee. Pump house located on waterside (WS) berm. Siphon breaker on WS shoulder, standpipe located 10 feet from landside (LS) toe. (8-inch pipe authorized under Permit No. 15098, 1989 - G. La Baume, permit also includes authorization of 12-inch pipe at different location). [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 5/19/2015					

Photo 1 of 2 : UCIP_FA_2019_49637_74109.jpg



View of WS slope with electrical conduit.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.45	Rating **	M	Issue No.	102 (cont)
LM End	1.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.897280°	37.897280°
				-121.326775°	-121.326775°
DWR ID	11				
Comment Code					
Inspector Comment					
DS_ID:11 FS_ID:40639 EP_NO: 15316 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status--pipe was not found only siphon breaker housing unit. FIELD_STRUCT_DESC: 8-inch steel drainage pipeline through levee, 3 feet below levee crown. Siphon breaker on the waterside (WS) shoulder. Pump is located inside ditch located approximately 75 feet landside (LS) of levee toe. (8-inch pipe authorized under Permit No. 15316, 1989 - W. Long and Reclamation No. 17 [RD0017], 10-inch pipe also installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 8-inch pipe listed] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40639_38685.jpg



Siphon breaker located on waterward slope.

LM Start	1.50	Rating **	M	Issue No.	103
LM End	1.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.896602°	37.896602°
				-121.327104°	-121.327104°
DWR ID	12				
Comment Code					
Inspector Comment					
DS_ID:12 FS_ID:40640 EP_NO: 15099 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. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 2.30 feet below levee crown. Siphon breaker on waterside (WS) shoulder. Pump house located on the WS berm. Standpipe located 15 feet from landside (LS) toe. Concrete stairway on WS slope. (16-inch pipe removed under Permit No. 15099, 1989 - W. Long, 12-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40640_71981.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.93	Rating **	M	Issue No.	83
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.890805 °	37.890413 °
				-121.327952 °	-121.328218 °
DWR ID	DWR_RD0017_02_s_2018_83				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.02	Rating **	M	Issue No.	105
LM End	2.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID	14				
Comment Code					
Inspector Comment					
DS_ID:14 FS_ID:40642 EP_NO: 15317 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10-inch steel drainage pipe through levee, 3.91 feet below levee crown. Siphon breaker on waterside (WS) slope. Pump in ditch located 300 feet landside (LS) of toe. Ramp on LS slope. 10-inch pipe connects to an existing 16-inch discharge pipe on the LS. (10-inch installed under Permit No. 15317, 1990 - Calcagno Farms and Reclamation District 17 [RD0017], 16-inch section from levee removed; 10-pipe was installed during the levee work approved under Permit No. 15014, 1989 - RD0017). [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40642_38742.jpg



View of waterward side--riser located on waterward shoulder.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.02	Rating **	M	Issue No.	105 (cont)
LM End	2.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID	14				
Comment Code					
Inspector Comment					
DS_ID:14 FS_ID:40642 EP_NO: 15317 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10-inch steel drainage pipe through levee, 3.91 feet below levee crown. Siphon breaker on waterside (WS) slope. Pump in ditch located 300 feet landside (LS) of toe. Ramp on LS slope. 10-inch pipe connects to an existing 16-inch discharge pipe on the LS. (10-inch installed under Permit No. 15317, 1990 - Calcagno Farms and Reclamation District 17 [RD0017], 16-inch section from levee removed; 10-pipe was installed during the levee work approved under Permit No. 15014, 1989 - RD0017). [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 2 of 3 : UCIP_FA_2019_40642_38740.jpg



View of landward side.

LM Start	2.02	Rating **	M	Issue No.	105 (cont)
LM End	2.02	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_40642_38746.jpg



Unidentified appurtenances located on landward side-unable to confirm if pipe crosses 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.05	Rating **	M	Issue No.	88
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.889225°	37.889225°
				-121.328881°	-121.328881°
DWR ID	DWR_RD0017_02_s_2019_88				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.19	Rating **	M	Issue No.	89
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.887481°	37.887481°
				-121.329877°	-121.329877°
DWR ID	DWR_RD0017_02_s_2019_89				
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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.23	Rating **	M	Issue No.	107 (cont)
LM End	2.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.887057°	37.887057°
				-121.330484°	-121.330484°
DWR ID	16				
Comment Code					
Inspector Comment					
DS_ID:16 FS_ID:40645 EP_NO: 15102 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. FIELD_STRUCT_DESC: 20-inch steel irrigation pipeline through levee. Invert of pipe is 2.8 feet below levee crown. Fill placed over the pipeline to provide 2.0 feet of cover. Siphon breaker on waterside (WS) shoulder. Pump on platform with walkway to shoulder, standpipe located 15 feet landside (LS) toe, concrete stairway en waterside (WS) slope. (20-inch pipe installed under Permit No. 15102, 1990 - Calcagno Farms Co-Partnership, also 24-inch pipe removed; 20-inch pipe was installed during the levee work approved under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]). [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40645_72006.jpg



Overview of waterward side.

LM Start	2.24	Rating **	C	Issue No.	90
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.886944°	37.886944°
				-121.330614°	-121.330614°
DWR ID	DWR_RD0017_02_s_2019_90				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.36	Rating **	C	Issue No.	91
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.885270°	37.885270°
				-121.331152°	-121.331152°
DWR ID	DWR_RD0017_02_s_2019_91				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

No Photos

LM Start	2.49	Rating **	M	Issue No.	108
LM End	2.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.883427°	37.883427°
				-121.331189°	-121.331189°
DWR ID	17				
Comment Code					
Inspector Comment					
DS_ID:17 FS_ID:40646 EP_NO: 15103 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. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landside (LS) shoulder. Pump house on waterside (WS) slope, standpipe located 10 feet from LS toe. Concrete stairway on WS slope. (new 8-inch authorized under Permit No. 15103, 1990 - C. Young, existing 8-inch pipe removed; new 8-inch pipe was installed during the levee work approved under Permit No. 15014) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40646_72010.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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.66	Rating **	M	Issue No.	109
LM End	2.66	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.881091°	37.881091°	
			-121.331842°	-121.331842°	
DWR ID	315				
Comment Code					
Inspector Comment					
DS_ID:315 FS_ID:46009 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/15 Pipe has been removed. Need to contact KSN, engineering consultants for LMA, to obtain records showing pipe removal and obtain permit authoring work. 02/04/10 Hole present on waterward side pipe--historical records indicate crossing abandoned however unable to confirm. Unable to confirm condition of pipe through levee. 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. FIELD_STRUCT_DESC: *REMOVED* 4-inch irrigation pipe of unknown material through the levee, 2 feet below the crown. Pipe open on both ends, waterside (WS) and landside (LS). Pump on concrete pad and gate valve located on the WS slope. [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 5/19/2015					

Photo 1 of 3 : UCIP_FA_2019_46009_74439.jpg



(2015) View of waterward slope.

LM Start	2.66	Rating **	M	Issue No.	109 (cont)
LM End	2.66	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_46009_74441.jpg



(2015) View of waterward slope--pipe removed.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.67	Rating **	U	Issue No.	111
LM End	2.67	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.880923°	37.880923°
				-121.331857°	-121.331857°
DWR ID	278				

Comment Code

Inspector Comment

DS_ID:278
 FS_ID:53329
 EP_NO: 15104
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 9/5/2018 Same as last inspection. Recommend contacting owner to see if crossing still in use. Crossing remains Urgent because of pipe integrity (D. Sanoski - DWR UCIP).7/12/2016 Same as previous inspection. Holes visible along exposed WS section of pipe. (DWR UCIP - omagana)5/19/2015 Holes through pipe visible on waterward toe. Recommend contacting owner to confirm pipe use-- good candidate for internal inspection. (DWR UCIP - omagana)2/04/2010 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. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2.85 feet below levee crown. Pump station is located on waterside (WS). Concrete standpipe is located on the landside (LS) toe. (8-inch pipe authorized under Permit No. 15104, 1989-R. Romonda & C. Young, permit covers 4 pipe crossing removals and 3 new pipe installations; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]; pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough) [Additional Reference(s): DWR Levee Log, 1981 and 2003] FS Date: 9/5/2018 10:03:00 AM

LM Start	2.67	Rating **	U	Issue No.	111 (cont)
LM End	2.67	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53329_75736.jpg



View of WS, photo taken downstream looking at upstream pipe. Photo 1 of 2.

Photo 2 of 3 : UCIP_FA_2019_53329_75733.jpg



View of WS, photo taken upstream looking at first pipe. Photo 1 of 2.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.67	Rating **	C	Issue No.	74
LM End	2.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.880710°	37.880710°
				-121.332200°	-121.332200°
DWR ID	RD0017U02RM45.95				
Comment Code					
Inspector Comment					
Site ID: RD0017U02RM45.95 10/29/2019: No new erosion was found at the repaired site. 09/13/2017: No sign of erosion observed at the repaired site. 07/25/2016: The construction work on the levee slope has been finished, and the erosion was repaired. 06/24/2015: Levee has been cut at the mid slope and a temporary step has been made for unknown purpose. More erosion has been found at the site. 6/19/2014: The erosion is in the river bank which has an estimated 10-ft wide berm.					

No Photos

LM Start	2.81	Rating **	C	Issue No.	86
LM End	2.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878660°	37.878660°
				-121.332400°	-121.332400°
DWR ID	RD0017U02RM46.1				
Comment Code					
Inspector Comment					
Site ID: RD0017U02RM46.1 10/29/2019: No new erosion was found at the repaired site. 09/13/2017: This erosion site has been repaired. 07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: A pocket erosion was found during the boat survey.					

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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	3.44	Rating **	M	Issue No.	114
LM End	3.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.871000°	37.871000°
				-121.329000°	-121.329000°
DWR ID	25466				
Comment Code					
Inspector Comment					
DS_ID:25466 FS_ID:50004 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/12/2016 Under Construction--Missing permit information and as-built drawings. New pipe installed 7/12/2016, as an emergency repair--owner in the process of obtaining permit from CVFPB. This pipe replaces DS_ID 22, pipe was removed July 2016. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee at an unknown depth below levee crown. Pump sits on the platform supported by steel piles located on the waterside (WS). Walkway extends from the pump platform to the WS. Positive closure device located on WS near walkway. (16-inch steel pipe installed under Permit No. XXXX, 2016 - XXXXX). FS Date: 7/12/2016					

Photo 1 of 3 : UCIP_FA_2019_50004_75870.jpg



View of exposed pipe on LS--photo taken during install progress.

LM Start	3.44	Rating **	M	Issue No.	114 (cont)
LM End	3.44	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_50004_75871.jpg



View of WS--coated pipe, walkway, and removal of concrete stairway. Construction in progress.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	3.44	Rating **	M	Issue No.	114 (cont)
LM End	3.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.871000°	37.871000°
				-121.329000°	-121.329000°
DWR ID	25466				
Comment Code					
Inspector Comment					
DS_ID:25466 FS_ID:50004 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/12/2016 Under Construction--Missing permit information and as-built drawings. New pipe installed 7/12/2016, as an emergency repair--owner in the process of obtaining permit from CVFPB. This pipe replaces DS_ID 22, pipe was removed July 2016. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee at an unknown depth below levee crown. Pump sits on the platform supported by steel piles located on the waterside (WS). Walkway extends from the pump platform to the WS. Positive closure device located on WS near walkway. (16-inch steel pipe installed under Permit No. XXXX, 2016 - XXXXX). FS Date: 7/12/2016					



View of levee crown--construction on LS and WS in progress.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	3.47	Rating **	M	Issue No.	115 (cont)
LM End	3.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID	23				
Comment Code					
Inspector Comment					
<p>DS_ID:23 FS_ID:40658 EP_NO: 4116 Repair Type: Non-Urgent Crossing Status: 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. FIELD_STRUCT_DESC: 8.625-inch steel high pressure gas main through the levee. Invert of pipe is 3.9 feet below the crown. Location sign for gas pipeline crossing on waterside (WS) slope. PG&E contact information 510-779-4830 for crossing. (8.625-inch gas main authorized under Permit No. 4116, 1962-Pacific Gas and Electric Company [PG&E]) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010</p>					

Photo 3 of 3 : UCIP_FA_2019_40658_72110.jpg



Marker visible on waterward side.

LM Start	3.62	Rating **	C	Issue No.	97
LM End	3.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.868500 °	37.868500 °
				-121.327670 °	-121.327670 °
DWR ID	RD0017U02RM46.89				
Comment Code					
Inspector Comment					
<p>Site ID: RD0017U02RM46.89 10/29/2019: No new erosion was found at the repaired site. 09/13/2017: No sign of erosion observed at the repaired site. 07/25/2016: The erosion has been repaired. No new erosion found at the repaired site. 06/24/2015: No significant change observed. 06/19/2014: The erosion is near a large tree and probably has been caused by the irrigation pipe on the site.</p>					

No Photos

<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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	3.63	Rating **	M	Issue No.	116
LM End	3.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.868657°	37.868657°
				-121.327383°	-121.327383°
DWR ID	26				
Comment Code					
Inspector Comment					
DS_ID:26 FS_ID:40659 EP_NO: 15109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion around siphon breaker on landward side recommend investigating potential leak. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through levee, 3 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump in irrigation ditch is located about 45 feet from LS toe. (12-inch pipe authorized under Permit No. 15109, 1990 - R. Muller) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40659_72116.jpg



View of pipe section and pump station located on landward side.

LM Start	3.63	Rating **	M	Issue No.	116 (cont)
LM End	3.63	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40659_72115.jpg



Pump station locate 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	3.63	Rating **	M	Issue No.	116 (cont)
LM End	3.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.868657°	37.868657°
				-121.327383°	-121.327383°
DWR ID	26				
Comment Code					
Inspector Comment					
DS_ID:26 FS_ID:40659 EP_NO: 15109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion around siphon breaker on landward side recommend investigating potential leak. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through levee, 3 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump in irrigation ditch is located about 45 feet from LS toe. (12-inch pipe authorized under Permit No. 15109, 1990 - R. Muller) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40659_72114.jpg



Siphon breaker located on landward slope.

LM Start	3.75	Rating **	M	Issue No.	117
LM End	3.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.867000°	37.867000°
				-121.327000°	-121.327000°
DWR ID	25465				
Comment Code					
Inspector Comment					
DS_ID:25465 FS_ID:50005 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/12/2016 Missing permit number and as-built drawings for this crossing. New pipe installed June 2016. According to Rick Toy, KSN-District Engineer, DCC Engineering is working with CVFPB to obtain permit for owner. Pipe replaces DS_ID 27--pipe removed May 2016. (DWR UCIP - omagana) FIELD_STRUCT_DESC: UNK-inch steel irrigation pipe through levee, X.XX feet below the crown. Slant pump is located on waterside (WS) slope, standpipe located 5 feet from LS toe. Concrete stairways with guardrail located on the WS. Two power poles (about 10 feet apart) located on landside (LS) toe. (Permit No. XXXXX, 2016 - XXXXXX) FS Date: 7/12/2016					

Photo 1 of 3 : UCIP_FA_2019_50005_75863.jpg



View of WS, photo taken looking downstream.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	3.75	Rating **	M	Issue No.	117 (cont)
LM End	3.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.867000°	37.867000°
				-121.327000°	-121.327000°
DWR ID	25465				
Comment Code					
Inspector Comment					
DS_ID:25465 FS_ID:50005 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/12/2016 Missing permit number and as-built drawings for this crossing. New pipe installed June 2016. According to Rick Toy, KSN-District Engineer, DCC Engineering is working with CVFPB to obtain permit for owner. Pipe replaces DS_ID 27--pipe removed May 2016. (DWR UCIP - omagana) FIELD_STRUCT_DESC: UNK-inch steel irrigation pipe through levee, X.XX feet below the crown. Slant pump is located on waterside (WS) slope, standpipe located 5 feet from LS toe. Concrete stairways with guardrail located on the WS. Two power poles (about 10 feet apart) located on landside (LS) toe. (Permit No. XXXXX, 2016 - XXXXXX) FS Date: 7/12/2016					

Photo 2 of 3 : UCIP_FA_2019_50005_75864.jpg



View of LS, photo taken looking downstream.

LM Start	3.75	Rating **	M	Issue No.	117 (cont)
LM End	3.75	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_50005_75865.jpg



View of levee crown--levee section where pipe crosses is raised.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	4.21	Rating **	M	Issue No.	118 (cont)
LM End	4.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.863644 °	37.863644 °
				-121.320435 °	-121.320435 °
DWR ID	28				
Comment Code					
Inspector Comment					
DS_ID:28 FS_ID:43264 EP_NO: 15111 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2/4/15--Olivia 2010 Records from KSN show this crossing was removed based on the RD17 As-Built Pipe Crossing Stating Reference, however when field verification was completed in this area a 2-inch pipe was found. This could be a different 2-inch pipe in nearby area. Need to coordinate with owner to determine permit issued for this crossing. 2/4/10 Pipe is not continuous. 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. FIELD_STRUCT_DESC: *REMOVED* 2-inch pipeline through levee, 3.92 feet (invert depth) below levee crown. Siphon breaker on landside (LS) shoulder. Pump on waterside (WS) slope. Pipe extends beyond 10 feet of the LS toe. (existing 2-inch removed under Permit No. 15111, 1990 - R. Jocopetti; 2-inch pipe was removed during the levee work approved under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Logs, 1981, 2003] FS Date: 2/4/2010					

Photo 2 of 3 : UCIP_FA_2019_43264_72124.jpg



View of landward side.

LM Start	4.21	Rating **	M	Issue No.	118 (cont)
LM End	4.21	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_43264_72123.jpg



View of crossing 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	4.37	Rating **	C	Issue No.	1
LM End	4.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.861673°	37.861370°
				-121.320115°	-121.320102°
DWR ID	DWR_RD0017_02_s_2012_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The landscape oleanders on landside slope are trimmed and maintained.					

No Photos

LM Start	4.43	Rating **	C	Issue No.	76
LM End	5.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.861070°	37.850118°
				-121.319510°	-121.320188°
DWR ID	DWR_RD0017_02_s_2012_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

No Photos

LM Start	4.63	Rating **	C	Issue No.	87
LM End	4.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.859184°	37.859184°
				-121.317288°	-121.317288°
DWR ID	DWR_RD0017_02_s_2018_87				
Comment Code					
PR : Prunings					
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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	4.80	Rating **	U	Issue No.	120
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID	33				

Comment Code

Inspector Comment

DS_ID:33
 FS_ID:53539
 EP_NO: 15116
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 9/5/2018 WS slope severe erosion appears to have been fixed somewhat, however, some erosion still present. Massive LS slippage and sink hole present. Notified LMA Engineer, DWR Inspector, and CVFPB Enforcement. Recommend monitoring of site through flood season, and remains Urgent until full inspection of site (D. Sanoski - DWR UCIP).12/01/2017 Inspection update is based on supporting documentation provided by KSN Inc, R. Toy, on November 18, 2016. Levee slope repair was performed on the LS slope area. Crossing remains Urgent--internal erosion visible from WS where pipe daylights has not been addressed. Recommend internal inspection of pipe through the levee to determine pipe condition. (DWR UCIP - omagana) 7/12/2016 Same as last inspection--internal erosion on WS and LS slope slipping with visible head scarp. Internal erosion visible from WS where pipe daylights. LS slope slipping with visible head scarp approximately 6-inches. Need to coordinate with owner to address issue. Owner will need to work with DWR Inspector and CVFPB to comply with Title 23 requirements. Recommend internal integrity inspection of crossing to determine pipe condition through levee. (DWR UCIP - omagana)5/19/2015 Signs of internal erosion visible on waterward side where pipe daylights. Slope slumping visible on landward side where previous levee damage was present. Need to contact owner and KSN, LMA engineering firm, to coordinate potential issues with pipe. (DWR UCIP - omagana)2/04/2010 Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. (DWR UCIP - omagana)
 FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee, 3.66-feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Also visible on the WS is the pump, the platform supported by steel piles in channel, a wooden walkway which extends from pump platform to WS slope, a concrete stairway which extends from walkway to WS shoulder. A double side approach ramp is located on the landside (LS) slope. (14-inch installed and existing 12-inch pipe removed under Permit No. 15116, 1990 - Rio Blanco Ranch, Inc.; 14-inch pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014, 1989 - Reclamation District [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]

Photo 1 of 3 : UCIP_FA_2019_53539_75723.jpg



View of WS.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

FS Date: 9/5/2018 10:12:00 AM

LM Start	4.80	Rating **	U	Issue No.	120 (cont)
LM End	4.80	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53539_75724.jpg



Internal erosion still visible on WS.

LM Start	4.80	Rating **	U	Issue No.	120 (cont)
LM End	4.80	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_53539_75720.jpg



View of LS.

LM Start	4.84	Rating **	C	Issue No.	82
LM End	4.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.856633°	37.856633°	
			-121.319411°	-121.319411°	
DWR ID	DWR_RD0017_02_f_2017_82				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	5.07	Rating **	M	Issue No.	122 (cont)
LM End	5.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID	35				
Comment Code					
Inspector Comment					
DS_ID:35 FS_ID:45998 EP_NO: 15118 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/2015 Erosion is still present on waterward side-- wet soil along pipe alignment (where pipe section is exposed). Burrow activity is also present at this location. Recommend contacting owner to address burrow activity. 02/04/2010 Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee, 3.32 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterside (WS) slope, concrete stairway extends from walkway to WS shoulder and a standpipe is located 2 feet from the LS toe. (14-inch pipe installed and existing 12-inch pipe removed under Permit No. 15118, 1989 - L. Matlock) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 5/19/2015					

Photo 3 of 3 : UCIP_FA_2019_45998_74484.jpg



(2015) Erosion visible 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	123 (cont)
LM End	5.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.851319°	37.851319°
				-121.321336°	-121.321336°
DWR ID	36				
Comment Code					
Inspector Comment					
DS_ID:36 FS_ID:40669 EP_NO: 15119 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 1.33 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landside (LS) toe. Ramp on waterside (WS) slope. (16-inch pipe authorized under Permit No. 15119, 1990 - J. J. Lawrence, et al; 16-inch pipe was part of the levee work approved under Permit No. 15014, 1990 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40669_72237.jpg



Distribution box located on landward side.

LM Start	6.14	Rating **	M	Issue No.	124
LM End	6.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.844392°	37.844392°
				-121.320753°	-121.320753°
DWR ID	38				
Comment Code					
Inspector Comment					
DS_ID:38 FS_ID:40672 EP_NO: 15121 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section at waterward toe is missing wall. Need to coordinate with owner to determine integrity of pipe section through levee. This crossing is a good candidate for video inspection to determine internal condition of pipe. FIELD_STRUCT_DESC: 10-inch steel drainage through the levee, 4 feet below crown. (10-inch pipe authorized under Permit No. 15121, 1989 - R. Muller, additional work also includes removal of 12-inch and two 9-inch pipes at different locations and installation of a 12-inch pipe; 10-inch pipe was installed during the levee work approved under Permit No. 15014, 1989-Reclamation District [RD0017]) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40672_72270.jpg



View of pipe section 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	6.50	Rating **	M	Issue No.	93
LM End	6.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.841859 °	37.841859 °
				-121.316240 °	-121.316240 °
DWR ID	DWR_RD0017_02_s_2019_93				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Rills on landside slope caused by surface run off need to be repaired.					

No Photos

LM Start	6.72	Rating **	M	Issue No.	94
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.839024 °	37.839024 °
				-121.316469 °	-121.316469 °
DWR ID	DWR_RD0017_02_s_2019_94				
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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	6.79	Rating **	M	Issue No.	125
LM End	6.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.837995°	37.837995°
				-121.316566°	-121.316566°
DWR ID	40				
Comment Code					
Inspector Comment					
DS_ID:40 FS_ID:40677 EP_NO: 15123 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm lose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 2.70 feet below the levee crown. Siphon breaker on waterside (WS) shoulder. Ramp on platform in channel, walkway from pump platform to WS slope, standpipe located at landside (LS) berm toe. (16-inch pipe installed and authorized under Permit No. 15123-1989, also includes removal of two existing pipes, 8-inch and 10-inch) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40677_72289.jpg



View of levee crown at crossing.

LM Start	6.79	Rating **	M	Issue No.	125 (cont)
LM End	6.79	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40677_72294.jpg



Siphon breaker 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	6.79	Rating **	M	Issue No.	125 (cont)
LM End	6.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.837995°	37.837995°
				-121.316566°	-121.316566°
DWR ID	40				
Comment Code					
Inspector Comment					
DS_ID:40 FS_ID:40677 EP_NO: 15123 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm lose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 2.70 feet below the levee crown. Siphon breaker on waterside (WS) shoulder. Ramp on platform in channel, walkway from pump platform to WS slope, standpipe located at landside (LS) berm toe. (16-inch pipe installed and authorized under Permit No. 15123-1989, also includes removal of two existing pipes, 8-inch and 10-inch) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40677_72292.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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	7.17	Rating **	M	Issue No.	126
LM End	7.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.833426°	37.833426°
				-121.313023°	-121.313023°
DWR ID	42				
Comment Code					
Inspector Comment					
DS_ID:42 FS_ID:40679 EP_NO: 15077 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump on platform in channel, walkway from pump platform to waterside (WS) shoulder. Standpipe located 15 feet from the LS toe. (12-inch pipe authorized under Permit No. 15077, 1989 - J. P. Leal, existing 12-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003, 12-inch pipe] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40679_72307.jpg



Overview of levee crown at crossing.

LM Start	7.17	Rating **	M	Issue No.	126 (cont)
LM End	7.17	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40679_72306.jpg



CMP riser located on landward slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	7.17	Rating **	M	Issue No.	126 (cont)
LM End	7.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.833426°	37.833426°
				-121.313023°	-121.313023°
DWR ID	42				
Comment Code					
Inspector Comment					
DS_ID:42 FS_ID:40679 EP_NO: 15077 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump on platform in channel, walkway from pump platform to waterside (WS) shoulder. Standpipe located 15 feet from the LS toe. (12-inch pipe authorized under Permit No. 15077, 1989 - J. P. Leal, existing 12-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003, 12-inch pipe] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40679_72305.jpg



Standpipe visible on landward toe.

LM Start	7.20	Rating **	M	Issue No.	127
LM End	7.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.833088°	37.833088°
				-121.312676°	-121.312676°
DWR ID	43				
Comment Code					
Inspector Comment					
DS_ID:43 FS_ID:40680 EP_NO: 15078 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 4-inch irrigation pipe of unknown material through levee, 2.89 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump on waterside (WS) berm. (4-inch pipe authorized under Permit No. 15078, 1989 - S. and F. Aurelio, existing 4-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40680_72314.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	7.43	Rating **	M	Issue No.	128 (cont)
LM End	7.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.830158°	37.830158°
				-121.310915°	-121.310915°
DWR ID	44				
Comment Code					
Inspector Comment					
DS_ID:44 FS_ID:40681 EP_NO: 15079 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee, 1.17 feet below levee crown. Siphon breaker on waterside (WS) shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landside (LS) toe. (14-inch pipe installed under Permit No. 15079-1990 - San Joaquin County Parks and Joe P. Aven, authorized work also include installation of 10-inch pipe in general area and the removal of two existing pipes, 10-inch pipe and 6-inch pipe) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40681_72330.jpg



Pump station fenced off 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	7.44	Rating **	M	Issue No.	129 (cont)
LM End	7.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.830115°	37.830115°
				-121.310908°	-121.310908°
DWR ID	99				
Comment Code					
Inspector Comment					
DS_ID:99 FS_ID:40682 EP_NO: 17643 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine when the other 3 crossings will become online. FIELD_STRUCT_DESC: [Stonebridge Pump Station/Dos Reis Road Outfall Structure] 30-inch and 36-inch combination cement motar lined and coated steel drainage pipe through the levee, 2-feet below the levee crown. Concrete headwall on waterside (WS) toe and a 36-inch tidal flex valve on outlet of pipe. 36-inch pipe section starts at WS headwall and is reduced with a 30-inch pipe on WS. The 30-inch pipe continues through from WS to LS levee. Structure was designed for 5 crossings however only 1 crossing is active (30-inch pipe and 36-inch combination pipe through the levee authorized under Permit No. 17643, 2005 - City of Lathrop, structure can accommodate five 36-inch pipes discharge pipes - only one 36-inch pipe active). FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40682_72320.jpg



View of waterward side.

LM Start	7.45	Rating **	M	Issue No.	130
LM End	7.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.829922°	37.829922°
				-121.310865°	-121.310865°
DWR ID	284				
Comment Code					
Inspector Comment					
DS_ID:284 FS_ID:40683 EP_NO: 15079 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. 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. FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation. FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40683_72333.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	7.67	Rating **	C	Issue No.	95
LM End	7.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.826937°	37.826937°
				-121.309404°	-121.309404°
DWR ID	DWR_RD0017_02_f_2019_95				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

No Photos

LM Start	7.71	Rating **	M	Issue No.	132
LM End	7.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.826333°	37.826333°
				-121.309495°	-121.309495°
DWR ID	98				
Comment Code					
Inspector Comment					
DS_ID:98 FS_ID:40685 EP_NO: 15081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present on waterward toe underneath piles. Need to coordinate with owner to address issue on waterward side and to determine status of crossing. FIELD_STRUCT_DESC: 16-inch asphalt coated and wrapped steel irrigation pipe through the levee, 2.6-feet below the crown. Siphon breaker located on landside (LS). Stand pipe located at LS toe. Pump on Platform at waterside (WS) toe. (16-inch pipe installed under Permit No. 15081, 1989 - I. N. Robinson, Jr., existing 14-inch pipe removed) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40685_72351.jpg



Overview of levee crown at pipe 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	7.75	Rating **	M	Issue No.	135 (cont)
LM End	7.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID	288				
Comment Code					
Inspector Comment					
<p>DS_ID:288 FS_ID:40688 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was removed and no power connection visible. Crossing appears abandoned. 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. FIELD_STRUCT_DESC: 16- inch asphalt coated and wrapped steel irrigation pipe through levee, 2.6-feet below the crown. Pump missing from platform on waterside (WS). Siphon breaker inside 24-inch corrugated metal pipe (CMP) riser on landside (LS) shoulder. 1.5-inch galvanized iron electrical conduit at same location. (16-inch pipe installed under Permit No. 15082, 1989 - I. N. Robinson, Jr., also authorized under permit two existing 14-inch pipes removed and installation of 20-inch pipe in general area) FS Date: 2/4/2010</p>					

Photo 3 of 3 : UCIP_FA_2019_40688_72359.jpg



Conduits visible on waterward side--no connection.

LM Start	7.89	Rating **	M	Issue No.	136
LM End	7.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID	805				
Comment Code					
Inspector Comment					
<p>DS_ID:805 FS_ID:40689 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. 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. FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder. FS Date: 2/4/2010</p>					

Photo 1 of 3 : UCIP_FA_2019_40689_72367.jpg



View of levee crown at crossing.

<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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	8.04	Rating **	M	Issue No.	84
LM End	8.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.824344 °	37.824344 °	
			-121.312455 °	-121.312455 °	
DWR ID	DWR_RD0017_02_f_2017_84				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	8.05	Rating **	C	Issue No.	77
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.824447 °	37.824487 °	
			-121.312692 °	-121.312785 °	
DWR ID	DWR_RD0017_02_f_2017_77				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Grout program has successfully backfilled rodent holes. No rodent activity observed.					

No Photos

LM Start	8.66	Rating **	A	Issue No.	68
LM End	8.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819715 °	37.819715 °	
			-121.319447 °	-121.319447 °	
DWR ID	DWR_RD0017_02_f_2019_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Landside vegetation is well maintained.					

Photo 1 of 1 : FA_2019_RD0017_304_68_20191001_00196.jpg



Typical view of landside slope. 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	8.66	Rating **	A	Issue No.	69
LM End	8.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819715°	37.819715°	
			-121.319447°	-121.319447°	
DWR ID	DWR_RD0017_02_f_2019_69				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Waterside vegetation is well maintained.					

Photo 1 of 1 : FA_2019_RD0017_304_69_20191001_00197.jpg



Typical view of waterside slope. 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	8.99	Rating **	U	Issue No.	137 (cont)
LM End	8.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.818123°	37.818123°
				-121.314272°	-121.314272°
DWR ID	285				
Comment Code					
Inspector Comment					
<p>DS_ID:285 FS_ID:53331 EP_NO: 15083 Repair Type: Urgent Crossing Status: Found UCIP Comments: 9/5/2018 Same as last inspection; WS pipe section completely corroded at section end. Crossing remains Urgent (D. Sanoski - DWR UCIP).7/12/2016 Same as last inspection--WS pipe section deteriorated. Per Rick Toy, KSN-District Engineer, this crossing is currently owned by the City of Lathrop. Need to coordinate with the City of Lathrop to submit name change to the CVFPB and for the City to provide future use for this crossing. Recommend internal integrity inspection of section of the pipe through the levee. (DWR UCIP - omagana)5/21/2015 Pipe is still in same condition. Need to contact KSN, LMA engineering firm, to determine update on crossing. (DWR UCIP - omagana)2/04/2010 Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee, 2.69 feet below crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located in the irrigation ditch approximately 50 feet from landside (LS) toe. (12-inch pipe authorized under Permit No. 15083, 1989 - I. N. Robinson, Jr.; 12-inch pipe was installed as part of the re-shaping of RD17 project levees in 1989. The re-shaping of the levees was to increase levee elevations and provide freeboard above 100-year stages in both the San Joaquin River and French Camp Slough; work was authorized and documented under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003] FS Date: 9/5/2018 10:25:00 AM</p>					

Photo 3 of 3 : UCIP_FA_2019_53331_75738.jpg



WS shoulder--protective housing units for siphon breakers.

<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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	9.24	Rating **	M	Issue No.	85
LM End	9.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815269 °	37.815269 °
				-121.316805 °	-121.316805 °
DWR ID	DWR_RD0017_02_f_2017_85				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0017_304_85_20190830_00012.jpg



Looking north at landside slope.

LM Start	9.29	Rating **	M	Issue No.	9
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815270 °	37.815270 °
				-121.317692 °	-121.317692 °
DWR ID	DWR_RD0017_02_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Bamboo & elderberries at landside toe.					

Photo 1 of 1 : FA_2019_RD0017_304_9_20190830_00005.jpg



Looking east at bamboo and elderberries at landward toe.

LM Start	9.67	Rating **	M	Issue No.	96
LM End	9.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.812380 °	37.812380 °
				-121.316942 °	-121.316942 °
DWR ID	DWR_RD0017_02_s_2019_96				
Comment Code					
DE : Debris					
Inspector Comment					
Farmer is storing drain pipes on landside toe and easement.					

Photo 1 of 1 : FA_2019_RD0017_304_96_20190830_00013.jpg



View of pipes on 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	10.64	Rating **	M	Issue No.	80
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.805787°	37.805787°	
			-121.322022°	-121.322022°	
DWR ID	DWR_RD0017_02_s_2015_80				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	11.31	Rating **	M	Issue No.	139
LM End	11.31	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.803410°	37.803410°	
			-121.312031°	-121.312031°	
DWR ID	51				
Comment Code					
Inspector Comment					
DS_ID:51 FS_ID:40695 EP_NO: 15055 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 2.77 feet below levee crown. Siphon breaker on landside (LS) shoulder. Slant pump on waterside (WS) slope, standpipe located 11 feet from the LS toe. (16-inch pipe authorized under Permit No. 15055, 1989 - F. G. and B. J. Terry, existing 14-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40695_72420.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	11.35	Rating **	M	Issue No.	140
LM End	11.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.802921°	37.802921°
				-121.311947°	-121.311947°
DWR ID	103				
Comment Code					
Inspector Comment					
DS_ID:103 FS_ID:40696 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--Need to contact owner. FIELD_STRUCT_DESC: [Mossdale Outfall] 1 of 6. 30-inch steel drainage pipe through levee at unknown depth. Structure is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landside (LS) shoulder on top of concrete pad. Concrete headwall and gates located on waterside (WS). (six 30-inch pipes authorized under Permit No. 17792, 2005 - City of Lathrop) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40696_72440.jpg



Overview of levee crown at crossing.

LM Start	11.35	Rating **	M	Issue No.	140 (cont)
LM End	11.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40696_72448.jpg



View of waterward side geotech fabric damage along slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	11.35	Rating **	M	Issue No.	144
LM End	11.35	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.802854 °	37.802854 °	
			-121.311948 °	-121.311948 °	
DWR ID	476				
Comment Code					
Inspector Comment					
DS_ID:476 FS_ID:40700 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: [Mossdale Outfall] 5 of 6. 30-inch steel drainage pipe through levee at unknown depth. Structure is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landside (LS) shoulder on top of concrete pad. Concrete headwall and gates located on waterside (WS). (six 30-inch pipes authorized under Permit No. 17792, 2005 - City of Lathrop) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40700_72462.jpg



Overview of levee crown at crossings.

LM Start	11.35	Rating **	M	Issue No.	144 (cont)
LM End	11.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40700_72467.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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	11.35	Rating **	M	Issue No.	144 (cont)
LM End	11.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.802854 °	37.802854 °
				-121.311948 °	-121.311948 °
DWR ID	476				
Comment Code					
Inspector Comment					
DS_ID:476 FS_ID:40700 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: [Mossdale Outfall] 5 of 6. 30-inch steel drainage pipe through levee at unknown depth. Structure is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landside (LS) shoulder on top of concrete pad. Concrete headwall and gates located on waterside (WS). (six 30-inch pipes authorized under Permit No. 17792, 2005 - City of Lathrop) FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40700_72465.jpg



Surface erosion 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	11.35	Rating **	M	Issue No.	145
LM End	11.35	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.802837°	37.802837°	
			-121.311949°	-121.311949°	
DWR ID	477				
Comment Code					
Inspector Comment					
DS_ID:477 FS_ID:40701 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: [Mossdale Outfall] 6 of 6. 30-inch steel drainage pipe through levee at unknown depth. Structure is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landside (LS) shoulder on top of concrete pad. Concrete headwall and gates located on waterside (WS). (six 30-inch pipes authorized under Permit No. 17792, 2005 - City of Lathrop) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40701_72470.jpg



Overview of levee crown at crossings.

LM Start	11.35	Rating **	M	Issue No.	145 (cont)
LM End	11.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40701_72469.jpg



Outlet concrete headwall and gates on waterward 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	11.43	Rating **	M	Issue No.	146 (cont)
LM End	11.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.801683 °	37.801683 °
				-121.312001 °	-121.312001 °
DWR ID	53				
Comment Code					
Inspector Comment					
DS_ID:53 FS_ID:45463 EP_NO: 15125 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned as vent is partially burried and pipe not visilbe. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: 7-inch steel pipe through the levee 3.59-feet below levee crown. Siphon breaker located on landside (LS) shoulder. Air vent found on waterside (WS) slope (7-inch installed under Permit No. 15125, 1989 - T. Osborn, Jr., existing 8-inch PVC pipe removed). [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 5/21/2015					

Photo 2 of 3 : UCIP_FA_2019_45463_74121.jpg



Vent visible on WS slope. Found partially burried.

LM Start	11.43	Rating **	M	Issue No.	146 (cont)
LM End	11.43	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_45463_74120.jpg



LS slope. No indication of pipe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	11.63	Rating **	M	Issue No.	147
LM End	11.63	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.798766°	37.798766°	
			-121.312135°	-121.312135°	
DWR ID	286				
Comment Code					
Inspector Comment					
DS_ID:286 FS_ID:45716 EP_NO: 15053 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through levee. Invert of pipe is 4.33 feet below levee crown. Siphon breaker on waterside (WS) shoulder. Pump on WS berm, standpipe at bottom of direct approach ramp. (8-inch pipe authorized under Permit No. 15053, 1989 -T. Jr. & O. J. Osborn, 6-inch pipe installed, 5-inch and 8-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 3/25/2010					

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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.14	Rating **	M	Issue No.	148
LM End	12.14	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.793831 °	37.793831 °	
			-121.305989 °	-121.305989 °	
DWR ID	806				
Comment Code					
Inspector Comment					
DS_ID:806 FS_ID:40702 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: *REMOVED* 20-inch steel drainage pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on waterside (WS) shoulder and a flap gate on the WS toe. (20-inch pipe authorized under Permit No. 3799, 1961 - Libbey-Owens-Ford Glass Company; 24-inch pipe removed under Permit No. 15318, 1989 - Libby-Owens-Ford Glass Co. & Reclamation District 17 [RD0017], 20-inch pipe installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 20-inch. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 12.16), 20-inch pipe] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40702_72481.jpg



Overview of levee crown at crossing.

LM Start	12.14	Rating **	M	Issue No.	148 (cont)
LM End	12.14	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40702_72480.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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.14	Rating **	M	Issue No.	148 (cont)
LM End	12.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	806				
Comment Code					
Inspector Comment					
DS_ID:806 FS_ID:40702 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: *REMOVED* 20-inch steel drainage pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on waterside (WS) shoulder and a flap gate on the WS toe. (20-inch pipe authorized under Permit No. 3799, 1961 - Libbey-Owens-Ford Glass Company; 24-inch pipe removed under Permit No. 15318, 1989 - Libby-Owens-Ford Glass Co. & Reclamation District 17 [RD0017], 20-inch pipe installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 20-inch. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 12.16), 20-inch pipe] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40702_72483.jpg



Dense vegetation along waterward slope--abandoned electrical box is visible through dense vegetation.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.14	Rating **	M	Issue No.	149 (cont)
LM End	12.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	56				
Comment Code					
Inspector Comment					
DS_ID:56 FS_ID:45464 EP_NO: 15318 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossings appears to be abandoned. Need to contact owner to determine status of crossing. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: 20-inch steel drainage pipe through levee, 3.4-feet below levee crown. Air vent in 12-inch steel riser found on the landside (LS) shoulder. Electric service riser on waterside (WS) berm has been removed. (20-inch pipe authorized under Permit No. 15318, 1989 - Libby-Owens-Ford Glass Co. & Reclamation District 17 [RD0017], 24-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 5/21/2015					

Photo 3 of 3 : UCIP_FA_2019_45464_74123.jpg



View of WS at crossing.

LM Start	12.14	Rating **	M	Issue No.	150
LM End	12.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID	799				
Comment Code					
Inspector Comment					
DS_ID:799 FS_ID:40703 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 48-inch steel drainage pipe through the levee, 2.5-feet below the crown. Siphon breaker on landside (LS) shoulder. Concrete "U" shaped headwall on waterside (WS) toe with flap gate. 8-4 inch steel coated scheduled 40 pipes located on WS shoulder about 6 inch cover. (48-inch pipe and 12-inch pipe authorized under Permit No. 15845, 1993 - City of Lathrop and Kearny Ventures) FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40703_72487.jpg



Overview of levee crown at crossings.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.14	Rating **	M	Issue No.	151 (cont)
LM End	12.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID	800				
Comment Code					
Inspector Comment					
DS_ID:800 FS_ID:45993 EP_NO: 15845 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 12-inch steel drainage pipe through levee at unknown depth. Concrete "U" wall located on waterside (WS). Flap gate on WS. 8-4 inch steel coated scheduled 40 pipes located on WS shoulder about 6 inch cover. Seepage berm located on landside (LS). (48-inch pipe and 12-inch pipe authorized under Permit No. 15845, 1993 - City of Lathrop and Kearny Ventures) FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_45993_72498.jpg



8-4 inch steel coated schedule 40 pipes with about 6 inch of cover.

LM Start	12.41	Rating **	M	Issue No.	152
LM End	12.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID	807				
Comment Code					
Inspector Comment					
DS_ID:807 FS_ID:40706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe disconnected on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: 8-inch irrigation pipe of unknown material through levee, 3.2-feet below the crown. Pump on waterside (WS) toe and a siphon breaker on the landside (LS) shoulder. (6-inch pipe authorized under Permit No. 15049, 1989 - T. and I. Queirolo, existing 6-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40706_72509.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.41	Rating **	M	Issue No.	152 (cont)
LM End	12.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.789976°	37.789976°
				-121.306853°	-121.306853°
DWR ID	807				
Comment Code					
Inspector Comment					
DS_ID:807 FS_ID:40706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe disconnected on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: 8-inch irrigation pipe of unknown material through levee, 3.2-feet below the crown. Pump on waterside (WS) toe and a siphon breaker on the landside (LS) shoulder. (6-inch pipe authorized under Permit No. 15049, 1989 - T. and I. Queirolo, existing 6-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 2 of 3 : UCIP_FA_2019_40706_72511.jpg



View of waterward toe--rip rap along pipe alignment.

LM Start	12.41	Rating **	M	Issue No.	152 (cont)
LM End	12.41	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_40706_72512.jpg



Non-functional crossing pipe disconnected.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.55	Rating **	M	Issue No.	153
LM End	12.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.787929°	37.787929°
				-121.307173°	-121.307173°
DWR ID	60				
Comment Code					
Inspector Comment					
DS_ID:60 FS_ID:40707 EP_NO: 14326 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4-inch galvanized iron communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (4-inch fiber optic cable authorized under Permit No. 14326, 1986 - GTE Sprint Communications Corp.) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40707_72515.jpg



Overview of levee crown at crossing.

LM Start	12.55	Rating **	M	Issue No.	153 (cont)
LM End	12.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40707_72514.jpg



Crossing alignment along 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.55	Rating **	M	Issue No.	153 (cont)
LM End	12.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.787929°	37.787929°
				-121.307173°	-121.307173°
DWR ID	60				
Comment Code					
Inspector Comment					
DS_ID:60 FS_ID:40707 EP_NO: 14326 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4-inch galvanized iron communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (4-inch fiber optic cable authorized under Permit No. 14326, 1986 - GTE Sprint Communications Corp.) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40707_72513.jpg



Conduit marker on landward side.

LM Start	12.68	Rating **	M	Issue No.	154
LM End	12.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.786343°	37.786343°
				-121.306157°	-121.306157°
DWR ID	808				
Comment Code					
Inspector Comment					
DS_ID:808 FS_ID:45466 EP_NO: 2366 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed on WS slope where soil has been removed from around pipe. There does not appear to be any damage or repair at excavation. Pipe should be buried. FIELD_STRUCT_DESC: 22-inch steel drainage pipe through the levee, 10-feet below levee crown. 54-inch square, concrete manhole at the centerline of the levee between Manthey Road and the HWY 120 on ramp to I-5. (22-inch pipe authorized under Permit No. 2366, 1956 - State of California Department of Public Works Division of Highways District X) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 22-inch listed. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 12.74), 22-inch pipe] FS Date: 5/21/2015					

Photo 1 of 3 : UCIP_FA_2019_45466_72523.jpg



Pipe was running during field inspection.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	12.68	Rating **	M	Issue No.	154 (cont)
LM End	12.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.786343°	37.786343°
				-121.306157°	-121.306157°
DWR ID	808				
Comment Code					
Inspector Comment					
DS_ID:808 FS_ID:45466 EP_NO: 2366 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed on WS slope where soil has been removed from around pipe. There does not appear to be any damage or repair at excavation. Pipe should be buried. FIELD_STRUCT_DESC: 22-inch steel drainage pipe through the levee, 10-feet below levee crown. 54-inch square, concrete manhole at the centerline of the levee between Manthey Road and the HWY 120 on ramp to I-5. (22-inch pipe authorized under Permit No. 2366, 1956 - State of California Department of Public Works Division of Highways District X) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 22-inch listed. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 12.74), 22-inch pipe] FS Date: 5/21/2015					

Photo 2 of 3 : UCIP_FA_2019_45466_74131.jpg



Concrete manhole on WS shoulder.

LM Start	12.68	Rating **	M	Issue No.	154 (cont)
LM End	12.68	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_45466_74130.jpg



Pipe exposed in excavated area on WS slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	13.26	Rating **	M	Issue No.	155 (cont)
LM End	13.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.779653 °	37.779653 °
				-121.300064 °	-121.300064 °
DWR ID	65				
Comment Code					
Inspector Comment					
DS_ID:65 FS_ID:40712 EP_NO: 14450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: [Oakwood Lake Discharge Lines] 1 of 2. 18-inch steel drainage discharge pipe through levee at unknown depth below the levee crown. (two 18-inch pipes authorized under Permit No. 14450-1985 - R. H. Brown, remove existing 18-inch pipe) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40712_72530.jpg



View of waterward slope.

LM Start	13.26	Rating **	M	Issue No.	156
LM End	13.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID	287				
Comment Code					
Inspector Comment					
DS_ID:287 FS_ID:40713 EP_NO: 14450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: [Oakwood Lake Discharge Lines] 2 of 2. 18-inch steel drainage discharge pipe through levee at unknown depth below the levee crown. (two 18-inch pipes authorized under Permit No. 14450-1985 - R. H. Brown, remove existing 18-inch pipe) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40713_72534.jpg



Precast concrete box located on levee shoulder.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	13.26	Rating **	M	Issue No.	156 (cont)
LM End	13.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.779643°	37.779643°
				-121.300057°	-121.300057°
DWR ID	287				
Comment Code					
Inspector Comment					
DS_ID:287 FS_ID:40713 EP_NO: 14450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: [Oakwood Lake Discharge Lines] 2 of 2. 18-inch steel drainage discharge pipe through levee at unknown depth below the levee crown. (two 18-inch pipes authorized under Permit No. 14450-1985 - R. H. Brown, remove existing 18-inch pipe) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 2 of 3 : UCIP_FA_2019_40713_72533.jpg



Pipes visible on waterward side.

LM Start	13.26	Rating **	M	Issue No.	156 (cont)
LM End	13.26	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_40713_72537.jpg



Sections of protective wrap missing near waterward 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 - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	13.27	Rating **	M	Issue No.	157 (cont)
LM End	13.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.779546°	37.779546°
				-121.299981°	-121.299981°
DWR ID	66				
Comment Code					
Inspector Comment					
DS_ID:66 FS_ID:40714 EP_NO: 14467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records show this crossing was suppose to be abandoned however, the drain pipe was operable during site visit. Need to contact owner to clarify if crossing that was abandoned was removed and replaced with current crossing. FIELD_STRUCT_DESC: 36-inch concrete discharge gravity municipal water discharge through levee approximately 23 feet below crown. The reinforced concrete outfall structure with sluice gate will be constructed within the pipeline at the waterside (WS) levee shoulder. (36-inch pipe authorized under Permit No. 14467, 1986 - City of Manteca) [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 3 of 3 : UCIP_FA_2019_40714_72542.jpg



View of waterward side.

LM Start	13.28	Rating **	M	Issue No.	158
LM End	13.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.779470°	37.779470°
				-121.299954°	-121.299954°
DWR ID	67				
Comment Code					
Inspector Comment					
DS_ID:67 FS_ID:45995 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers visible on landward side only. Recommend contacting owner to confirm alignment and crossing. FIELD_STRUCT_DESC: Submarine power cable through the levee and across the channel. [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 1 of 2 : UCIP_FA_2019_45995_72526.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	13.28	Rating **	M	Issue No.	158 (cont)
LM End	13.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID	67				
Comment Code					
Inspector Comment					
DS_ID:67 FS_ID:45995 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers visible on landward side only. Recommend contacting owner to confirm alignment and crossing. FIELD_STRUCT_DESC: Submarine power cable through the levee and across the channel. [Additional Reference(s): DWR Levee Logs, 1981 and 2003] FS Date: 2/4/2010					

Photo 2 of 2 : UCIP_FA_2019_45995_72525.jpg



Markers visible along landward side.

LM Start	13.28	Rating **	M	Issue No.	159
LM End	13.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.779470 °	37.779470 °
				-121.299953 °	-121.299953 °
DWR ID	809				
Comment Code					
Inspector Comment					
DS_ID:809 FS_ID:40715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* [Reclamation District No. 17 Drainage Plant] 18-inch drainage pipe of unknown material through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterside (WS) slope. Flap gate on the WS end. One CM cutoff wall. Pump on the landside (LS). (18-inch pipe Installed by USACE in 1961 -- no permit found; existing 18-inch pipe removed under Permit No. 14450, 1988 - R. H. Brown, two 18-inch pipes installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 13.36)] FS Date: 2/4/2010					

Photo 1 of 3 : UCIP_FA_2019_40715_72548.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	09/24/2019 09/24/2019	Alberto De Leon

LM Start	13.28	Rating **	M	Issue No.	159 (cont)
LM End	13.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.779470°	37.779470°
				-121.299953°	-121.299953°
DWR ID	809				
Comment Code					
Inspector Comment					
DS_ID:809 FS_ID:40715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* [Reclamation District No. 17 Drainage Plant] 18-inch drainage pipe of unknown material through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterside (WS) slope. Flap gate on the WS end. One CM cutoff wall. Pump on the landside (LS). (18-inch pipe Installed by USACE in 1961 -- no permit found; existing 18-inch pipe removed under Permit No. 14450, 1988 - R. H. Brown, two 18-inch pipes installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 13.36)] FS Date: 2/4/2010					

Photo 2 of 3 : UCIP_FA_2019_40715_72551.jpg



View of waterward side, photo 1 of 2.

LM Start	13.28	Rating **	M	Issue No.	159 (cont)
LM End	13.28	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_40715_72549.jpg



View of waterward side, photo 2 of 2.

* 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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