Flood Control Project Maintenance
Levee Inspections

LMA District Cover Sheet

Spring 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)				

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

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

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

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 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)				
Date of Inspection	4/23/2019 - 4/23/2019			
DWR Inspector	Alberto De Leon			
Accompanied By	Richard Toy KSN			
	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 - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	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			°	°
				°	°
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			°	°
				°	°
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			°	°
				°	°
DWR ID	DWR_RD0017_01_s _ 2013_3				

Comment Code

Inspector Comment

District staff are involved in training sponsored by DWR.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.00**	Rating **	A	Issue No.	**10**
LM End	**1.77**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.911282 °	37.915953 °
				-121.291128 °	-121.320798 °
DWR ID	DWR_RD0017_01_s _ 2019_10				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained.

Photo 1 of 1 : SP_2019_RD0017_303_10_20190430_00018.jpg

Typical view of vegetation on wateside slope. (Spring 2019)

LM Start	**0.00**	Rating **	A	Issue No.	**9**
LM End	**1.76**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.911283 °	37.915954 °
				-121.291140 °	-121.320794 °
DWR ID	DWR_RD0017_01_s _ 2019_9				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained.

Photo 1 of 1 : SP_2019_RD0017_303_9_20190430_00017.jpg

Typical view of vegetation on landside slope. (Spring 2019)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.03**	Rating **	M	Issue No.	**12**
LM End	**0.03**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID	1				

Comment Code

Inspector Comment

FS_ID:40603
DS_ID:1
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 1 of 3 : UCIP_SP_2019_40603_38480.jpg

View of waterward side.

LM Start	**0.03**	Rating **	M	Issue No.	**12 (cont)**
LM End	**0.03**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40603_38479.jpg

View of levee crown at crossing. Marker for line visible on waterward shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID	1				

Comment Code

Inspector Comment

FS_ID:40603
DS_ID:1
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_SP_2019_40603_38478.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.15**	Rating **	M	Issue No.	**13**
LM End	**0.15**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID	72				

Comment Code

Inspector Comment

FS_ID:49990
DS_ID:72
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 1 of 3 : UCIP_SP_2019_49990_74222.jpg

Gas access lid in sidewalk Approximately 200-feet to west of crown.

LM Start	**0.15**	Rating **	M	Issue No.	**13 (cont)**
LM End	**0.15**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_49990_74221.jpg

WS Slope. No gasline markers.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID	72				

Comment Code

Inspector Comment

FS_ID:49990
DS_ID:72
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_SP_2019_49990_74220.jpg

LS crown. No gasline markers.

LM Start	**0.71**	Rating **	C	Issue No.	**11**
LM End	**0.71**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.914831 °	37.914831 °
				-121.301732 °	-121.301732 °
DWR ID	DWR_RD0017_01_s _ 2018_11				

Comment Code

TR : Tree or limb

Inspector Comment

There is a fallen tree on the landside slope and toe.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.31**	Rating **	M	Issue No.	**14**
LM End	**1.31**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	2				

Comment Code

Inspector Comment

FS_ID:40604
DS_ID:2
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 1 of 3 : UCIP_SP_2019_40604_38491.jpg

Overview of levee crown at crossing.

LM Start	**1.31**	Rating **	M	Issue No.	**14 (cont)**
LM End	**1.31**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40604_38489.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	2				

Comment Code

Inspector Comment

FS_ID:40604
DS_ID:2
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_SP_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	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	159				

Comment Code

Inspector Comment

FS_ID:52614
DS_ID:159
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_SP_2019_52614_38505.jpg

Overview of levee at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	159				

Comment Code

Inspector Comment

FS_ID:52614
DS_ID:159
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_SP_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_SP_2019_52614_38509.jpg

Manhole for sanitary sewer visible on landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.31**	Rating **	M	Issue No.	**16**
LM End	**1.31**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	158				

Comment Code

Inspector Comment

FS_ID:40606
DS_ID:158
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 1 of 3 : UCIP_SP_2019_40606_71942.jpg

View of levee crown at crossing.

LM Start	**1.31**	Rating **	M	Issue No.	**16 (cont)**
LM End	**1.31**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40606_71941.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	158				

Comment Code

Inspector Comment

FS_ID:40606
DS_ID:158
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_SP_2019_40606_71940.jpg

Manhole visible on landward side.

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

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 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)				
Date of Inspection	4/23/2019 - 4/23/2019			
DWR Inspector	Alberto De Leon			
Accompanied By	Richard Toy KSN			
	Scott Solari RD 17			
	Richard Willoughby DWR			

Summer & Winter Inspections

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a) completion of the inspection
b) any changes other than the results of normal maintenance
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.01**	Rating **	A	Issue No.	**74**
LM End	**14.25**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915911 °	37.772169 °
				-121.320877 °	-121.289313 °
DWR ID	DWR_RD0017_02_s _ 2019_74				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained.

Photo 1 of 1 : SP_2019_RD0017_304_74_20190430_00194.jpg

Typical view of vegetation on landside slope. (Spring 2019)

LM Start	**0.01**	Rating **	A	Issue No.	**68**
LM End	**14.26**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915907 °	37.772166 °
				-121.320883 °	-121.289265 °
DWR ID	DWR_RD0017_02_s _ 2019_68				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained.

Photo 1 of 1 : SP_2019_RD0017_304_68_20190430_00195.jpg

Typical view of vegetation on waterside slope. (Spring 2019)

LM Start	**0.07**	Rating **	C	Issue No.	**69**
LM End	**0.07**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.915214 °	37.915214 °
				-121.321587 °	-121.321587 °
DWR ID	DWR_RD0017_02_f _ 2017_69				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.12**	Rating **	C	Issue No.	**71**
LM End	**0.12**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.914598 °	37.914598 °
				-121.322097 °	-121.322097 °
DWR ID	DWR_RD0017_02_s _ 2017_71				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	**0.14**	Rating **	M	Issue No.	**97**
LM End	**0.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID	75				

Comment Code

Inspector Comment

FS_ID:40628
DS_ID:75
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_SP_2019_40628_38516.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.14**	Rating **	M	Issue No.	**97 (cont)**
LM End	**0.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID	75				

Comment Code

Inspector Comment

FS_ID:40628
DS_ID:75
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 2 of 3 : UCIP_SP_2019_40628_38515.jpg

View of waterward side--pillings inside channel.

LM Start	**0.14**	Rating **	M	Issue No.	**97 (cont)**
LM End	**0.14**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40628_38514.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**0.25**	Rating **	M	Issue No.	**2**
LM End	**0.26**	Issue Type +	Ma	Location *	WS
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

09/13/2017: Erosion occurs along the levee toe. [2017 Site ID:RD0017U02RM43.51].

Photo 1 of 2 : SP_2019_RD0017_304_2_20190313_00003.jpg

Front view of the erosion.

LM Start	**0.25**	Rating **	M	Issue No.	**2 (cont)**
LM End	**0.26**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0017_304_2_20190313_00004.jpg

Close view of the erosion.

LM Start	**0.69**	Rating **	A/W	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

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

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

Photo 1 of 1 : SP_2019_RD0017_304_73_20190313_00007.jpg

Looking southeast at the landside slope.

LM Start	**1.18**	Rating **	M	Issue No.	**98**
LM End	**1.18**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID	9				

Comment Code

Inspector Comment

FS_ID:45449
DS_ID:9
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Appears abandoned. Should contact owner to determine status as signs have been removed from supports and should be replaced if still in service.
FIELD_STRUCT_DESC: Underground telephone cable through levee, 2 feet below crown. Warning signs on waterside (WS) slope. [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 1 of 2 : UCIP_SP_2019_45449_74105.jpg

Sign on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.18**	Rating **	M	Issue No.	**98 (cont)**
LM End	**1.18**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID	9				

Comment Code

Inspector Comment

FS_ID:45449
DS_ID:9
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Appears abandoned. Should contact owner to determine status as signs have been removed from supports and should be replaced if still in service.
FIELD_STRUCT_DESC: Underground telephone cable through levee, 2 feet below crown. Warning signs on waterside (WS) slope. [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 2 of 2 : UCIP_SP_2019_45449_74104.jpg

No markers on LS.

LM Start	**1.18**	Rating **	M	Issue No.	**99**
LM End	**1.18**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID	308				

Comment Code

Inspector Comment

FS_ID:45450
DS_ID:308
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Appears Abandoned. Need to contact owner to determine status of crossing as signs have been removed from markers and should be replaced if still in service.
FIELD_STRUCT_DESC: 4-inch submarine telephone cable of unknown material through the levee, 2 feet below the crown, and across the channel. Location marker on the waterside (WS) slope. [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 1 of 2 : UCIP_SP_2019_45450_74107.jpg

Sign post on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.18**	Rating **	M	Issue No.	**99 (cont)**
LM End	**1.18**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID	308				

Comment Code

Inspector Comment

FS_ID:45450
DS_ID:308
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Appears Abandoned. Need to contact owner to determine status of crossing as signs have been removed from markers and should be replaced if still in service.
FIELD_STRUCT_DESC: 4-inch submarine telephone cable of unknown material through the levee, 2 feet below the crown, and across the channel. Location marker on the waterside (WS) slope. [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 2 of 2 : UCIP_SP_2019_45450_74106.jpg

No markers on LS.

LM Start	**1.22**	Rating **	M	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 located on the landside slope were caused by surface runoff and are scheduled for repair in the summer of 2019.

Photo 1 of 1 : SP_2019_RD0017_304_78_20190430_00196.jpg

Rills caused by surface runoff, scheduled to be repaired late spring 2019. (Spring 2019)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.23**	Rating **	M	Issue No.	**100**
LM End	**1.23**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.900242 °	37.900242 °
				-121.325497 °	-121.325497 °
DWR ID	10				

Comment Code

Inspector Comment

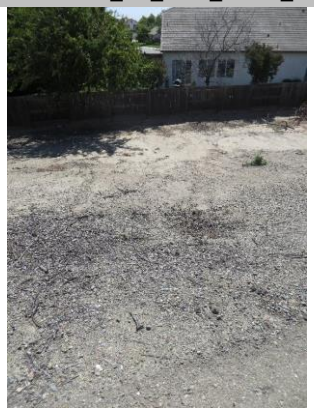
FS_ID:49637
DS_ID:10
EP_NO: 15098
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/19/2015 Only signs of electrical conduit found. Need to contact owner to determine status of pipe as no record of removal has been found and only an electrical conduit was found at this location. (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_SP_2019_49637_74109.jpg

View of WS slope with electrical conduit.

LM Start	**1.23**	Rating **	M	Issue No.	**100 (cont)**
LM End	**1.23**	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2019_49637_74108.jpg



View of LS. No appurtances noted.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.43**	Rating **	C	Issue No.	**70**
LM End	**1.43**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.897508 °	37.897508 °
				-121.326671 °	-121.326671 °
DWR ID	DWR_RD0017_02_f _ 2017_70				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Landside slope has been regraded and repaired.

No Photos

LM Start	**1.43**	Rating **	M	Issue No.	**75**
LM End	**1.43**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.897467 °	37.897467 °
				-121.326690 °	-121.326690 °
DWR ID	DWR_RD0017_02_f _ 2017_75				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : SP_2019_RD0017_304_75_20190313_00008.jpg

Looking west at the landside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.45**	Rating **	M	Issue No.	**101**
LM End	**1.45**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID	11				

Comment Code

Inspector Comment

FS_ID:40639
DS_ID:11
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 1 of 3 : UCIP_SP_2019_40639_38687.jpg

View of levee crown at crossing.

LM Start	**1.45**	Rating **	M	Issue No.	**101 (cont)**
LM End	**1.45**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40639_38686.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.45**	Rating **	M	Issue No.	**101 (cont)**
LM End	**1.45**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID	11				

Comment Code

Inspector Comment

FS_ID:40639
DS_ID:11
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_SP_2019_40639_38685.jpg

Siphon breaker located on waterward slope.

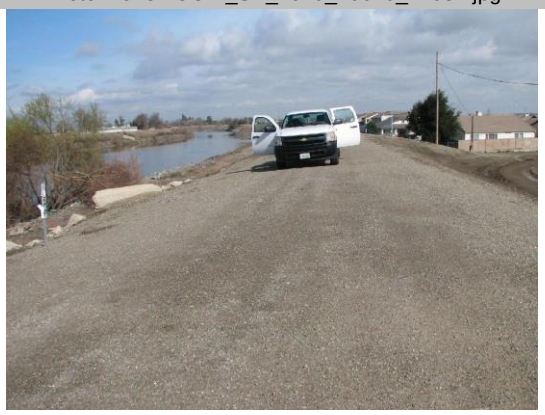
LM Start	**1.50**	Rating **	M	Issue No.	**102**
LM End	**1.50**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602 °
				-121.327104 °	-121.327104 °
DWR ID	12				

Comment Code

Inspector Comment

FS_ID:40640
DS_ID:12
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_SP_2019_40640_71981.jpg



View of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.50**	Rating **	M	Issue No.	**102 (cont)**
LM End	**1.50**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602 °
				-121.327104 °	-121.327104 °
DWR ID	12				

Comment Code

Inspector Comment

FS_ID:40640
DS_ID:12
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 2 of 3 : UCIP_SP_2019_40640_38706.jpg

Standpipe located on landward side.

LM Start	**1.50**	Rating **	M	Issue No.	**102 (cont)**
LM End	**1.50**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40640_71983.jpg

Concrete irrigation canal located at landward toe just upstream of crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.50**	Rating **	M	Issue No.	**81**
LM End	**1.50**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.896491 °	37.896491 °
				-121.327188 °	-121.327188 °
DWR ID	DWR_RD0017_02_s _ 2019_81				

Comment Code

PR : Prunings

Inspector Comment

No Photos

LM Start	**1.67**	Rating **	M	Issue No.	**103**
LM End	**1.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.894217 °	37.894217 °
				-121.328231 °	-121.328231 °
DWR ID	13				

Comment Code

Inspector Comment

FS_ID:49640
DS_ID:13
EP_NO: 15100
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 09/07/2016 Need to coordinate with owner to determine if 12-inch pipe was sleeved through authorized 16-inch pipe. Unable to confirm if 12-inch pipe was authorized under Permit No. 15100. Also need to coordinate with owner to determine extent of repair to crossing--previous leak to WS pipe section. (DWR UCIP - O. Magana)05/19/2015 Notes were initially recorded under DS_ID entry 82 due to field confirmed pipe size (12-inch and not 16-inch as described in permit). Record was updated to show 12 inch crossing was authorized under Permit 15100. UPDATED INFO @ CROSSING: Damage pipe section located on waterward toe has been replaced with new section. (DWR UCIP - O. Magana)02/0/2010 Holes in pipe at WS toe good indicator of pipe internal condition. Owner should perform an internal inspection of the pipe through the levee. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 2.35 feet below the crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is supported by steel support beams in the ditch located approximately 35 feet from landside (LS) toe. Ramp is located on the LS slope. (16-inch pipe installed under Permit No. 15100, 1990 - W. Long). [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 1 of 3 : UCIP_SP_2019_49640_74436.jpg

(2015) Damage pipe section located on WS toe has been replaced.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.67**	Rating **	M	Issue No.	**103 (cont)**
LM End	**1.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.894217 °	37.894217 °
				-121.328231 °	-121.328231 °
DWR ID	13				

Comment Code

Inspector Comment

FS_ID:49640
DS_ID:13
EP_NO: 15100
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 09/07/2016 Need to coordinate with owner to determine if 12-inch pipe was sleeved through authorized 16-inch pipe. Unable to confirm if 12-inch pipe was authorized under Permit No. 15100. Also need to coordinate with owner to determine extent of repair to crossing--previous leak to WS pipe section. (DWR UCIP - O. Magana)05/19/2015 Notes were initially recorded under DS_ID entry 82 due to field confirmed pipe size (12-inch and not 16-inch as described in permit). Record was updated to show 12 inch crossing was authorized under Permit 15100. UPDATED INFO @ CROSSING: Damage pipe section located on waterward toe has been replaced with new section. (DWR UCIP - O. Magana)02/0/2010 Holes in pipe at WS toe good indicator of pipe internal condition. Owner should perform an internal inspection of the pipe through the levee. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through levee, 2.35 feet below the crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is supported by steel support beams in the ditch located approximately 35 feet from landside (LS) toe. Ramp is located on the LS slope. (16-inch pipe installed under Permit No. 15100, 1990 - W. Long). [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 2 of 3 : UCIP_SP_2019_49640_74437.jpg

(2015) View of landward side.

LM Start	**1.67**	Rating **	M	Issue No.	**103 (cont)**
LM End	**1.67**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_49640_74432.jpg

Pump, vent, buterfly valve, and pipe visible off LS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**1.93**	Rating **	M	Issue No.	**83**
LM End	**1.93**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.890833 °	37.890833 °
				-121.327955 °	-121.327955 °
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.	**104**
LM End	**2.02**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID	14				

Comment Code

Inspector Comment

FS_ID:40642
DS_ID:14
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_SP_2019_40642_38742.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.02**	Rating **	M	Issue No.	**104 (cont)**
LM End	**2.02**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID	14				

Comment Code

Inspector Comment

FS_ID:40642
DS_ID:14
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_SP_2019_40642_38740.jpg

View of landward side.

LM Start	**2.02**	Rating **	M	Issue No.	**104 (cont)**
LM End	**2.02**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40642_38746.jpg

Unidentified appurtenances located on landward side-unable to confirm if pipe crosses levee.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.05**	Rating **	M	Issue No.	**105**
LM End	**2.05**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID	15				

Comment Code

Inspector Comment

FS_ID:49992
DS_ID:15
EP_NO: 15101
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/12/2016 Rodent activity is present at this crossing. Unable to confirm if sink hole was present--depression near riser is still visible. Pipe was running during site visit. Crossing has been downgraded from Urgent to Non-Urgent---no damage was visible to levee crown or LS slope and only minor depression found around WS riser. Depression near siphon breaker on WS shoulder could be due to poor compaction or rodent activity--recommend monitoring site. Need to contact owner to determine if any internal integrity inspections have been done at this crossing. (DWR UCIP - omagana)2/04/2010 Sink hole present at siphon breaker riser located on waterward shoulder. 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: 16-inch steel irrigation pipe through levee, 2.93 feet below levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump house is located on the WS berm. Concrete stairway is located on WS slope. Concrete standpipe is located approximately 25 feet from landside (LS) toe. 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. (16-inch pipe authorized under Permit No. 15101, 1989 - Calcagno Farms Co-Partnership, existing 18-inch pipe removed; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]
FS Date: 7/12/2016

Photo 1 of 3 : UCIP_SP_2019_49992_38770.jpg

View of LS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.05**	Rating **	M	Issue No.	**105 (cont)**
LM End	**2.05**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID	15				

Comment Code

Inspector Comment

FS_ID:49992
DS_ID:15
EP_NO: 15101
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/12/2016 Rodent activity is present at this crossing. Unable to confirm if sink hole was present--depression near riser is still visible. Pipe was running during site visit. Crossing has been downgraded from Urgent to Non-Urgent---no damage was visible to levee crown or LS slope and only minor depression found around WS riser. Depression near siphon breaker on WS shoulder could be due to poor compaction or rodent activity--recommend monitoring site. Need to contact owner to determine if any internal integrity inspections have been done at this crossing. (DWR UCIP - omagana)2/04/2010 Sink hole present at siphon breaker riser located on waterward shoulder. 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: 16-inch steel irrigation pipe through levee, 2.93 feet below levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump house is located on the WS berm. Concrete stairway is located on WS slope. Concrete standpipe is located approximately 25 feet from landside (LS) toe. 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. (16-inch pipe authorized under Permit No. 15101, 1989 - Calcagno Farms Co-Partnership, existing 18-inch pipe removed; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]
FS Date: 7/12/2016

Photo 2 of 3 : UCIP_SP_2019_49992_38773.jpg

View of WS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.05**	Rating **	M	Issue No.	**105 (cont)**
LM End	**2.05**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID	15				

Comment Code

Inspector Comment

FS_ID:49992
DS_ID:15
EP_NO: 15101
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/12/2016 Rodent activity is present at this crossing. Unable to confirm if sink hole was present--depression near riser is still visible. Pipe was running during site visit. Crossing has been downgraded from Urgent to Non-Urgent---no damage was visible to levee crown or LS slope and only minor depression found around WS riser. Depression near siphon breaker on WS shoulder could be due to poor compaction or rodent activity--recommend monitoring site. Need to contact owner to determine if any internal integrity inspections have been done at this crossing. (DWR UCIP - omagana)2/04/2010 Sink hole present at siphon breaker riser located on waterward shoulder. 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: 16-inch steel irrigation pipe through levee, 2.93 feet below levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump house is located on the WS berm. Concrete stairway is located on WS slope. Concrete standpipe is located approximately 25 feet from landside (LS) toe. 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. (16-inch pipe authorized under Permit No. 15101, 1989 - Calcagno Farms Co-Partnership, existing 18-inch pipe removed; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]
FS Date: 7/12/2016

Photo 3 of 3 : UCIP_SP_2019_49992_38774.jpg

View of WS slope--riser and pipe visible.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.23**	Rating **	M	Issue No.	**106**
LM End	**2.23**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID	16				

Comment Code

Inspector Comment

FS_ID:40645
DS_ID:16
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 1 of 3 : UCIP_SP_2019_40645_72002.jpg

View of levee crown at crossing.

LM Start	**2.23**	Rating **	M	Issue No.	**106 (cont)**
LM End	**2.23**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40645_72001.jpg

Standpipe located on landward toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.23**	Rating **	M	Issue No.	**106 (cont)**
LM End	**2.23**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID	16				

Comment Code

Inspector Comment

FS_ID:40645
DS_ID:16
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_SP_2019_40645_72006.jpg

Overview of waterward side.

LM Start	**2.24**	Rating **	M	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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.36**	Rating **	M	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

No Photos

LM Start	**2.49**	Rating **	M	Issue No.	**107**
LM End	**2.49**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427 °	37.883427 °
				-121.331189 °	-121.331189 °
DWR ID	17				

Comment Code

Inspector Comment

FS_ID:40646
DS_ID:17
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_SP_2019_40646_72010.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.49**	Rating **	M	Issue No.	**107 (cont)**
LM End	**2.49**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427°	37.883427°
				-121.331189°	-121.331189°
DWR ID	17				

Comment Code

Inspector Comment

FS_ID:40646
DS_ID:17
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 2 of 3 : UCIP_SP_2019_40646_72009.jpg

View of levee crown at crossing.

LM Start	**2.49**	Rating **	M	Issue No.	**107 (cont)**
LM End	**2.49**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40646_72008.jpg

Inside view of standpipe located on landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.66**	Rating **	M	Issue No.	**108**
LM End	**2.66**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881091 °	37.881091 °
				-121.331842 °	-121.331842 °
DWR ID	315				

Comment Code

Inspector Comment

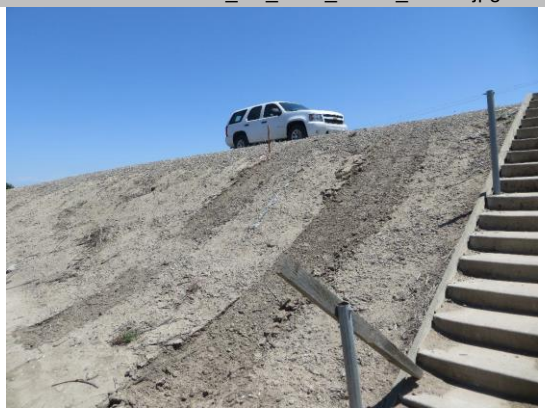
FS_ID:46009
DS_ID:315
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/19/15 Pipe has been removed. Need to contact KSN, engineering consultants for LMA, to obtain records showing pipe removal and obtain permit authoring work. 02/04/10 Hole present on waterward side pipe--historical 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_SP_2019_46009_74439.jpg

(2015) View of waterward slope.

LM Start	**2.66**	Rating **	M	Issue No.	**108 (cont)**
LM End	**2.66**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_46009_74441.jpg



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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.66**	Rating **	M	Issue No.	**108 (cont)**
LM End	**2.66**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881091 °	37.881091 °
				-121.331842 °	-121.331842 °
DWR ID	315				

Comment Code

Inspector Comment

FS_ID:46009
DS_ID:315
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 3 of 3 : UCIP_SP_2019_46009_74438.jpg

(2015) Pipe removed from waterward toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.67**	Rating **	U	Issue No.	**109**
LM End	**2.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880960 °	37.880960 °
				-121.331846 °	-121.331846 °
DWR ID	277				

Comment Code

Inspector Comment

FS_ID:53328
DS_ID:277
EP_NO: 15104
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 9/5/2018 Same as last inspection. There was no leak present at time of inspection but the pipe encasement is same as last set of pictures, so the crossing remains Urgent (D. Sanoski - DWR UCIP).7/12/2016 Leak is present on WS section of pipe. Recommend an internal inspection of the pipe through the levee due to the age of the pipe and the present leak found on the WS. Owner will need to coordinate with DWR Inspector and CVFPB to address leak. (DWR UCIP - O. Magana)5/19/2015 Crossing is being maintained. (DWR UCIP - O. Magana)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 - O. Magana)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2.18 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways are located on the waterside (WS) slope. 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. (8-inch pipe installed under Permit No. 15104, 1989 - R. Remonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]
FS Date: 9/5/2018 9:53:00 AM

Photo 1 of 3 : UCIP_SP_2019_53328_75745.jpg

View of WS--slope cleared of vegetation.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

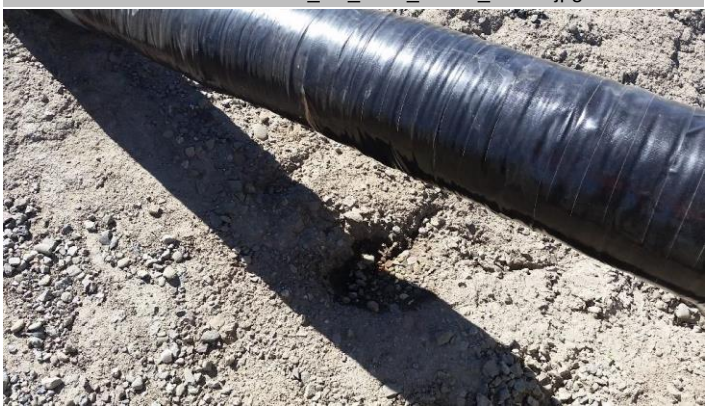
LM Start	**2.67**	Rating **	U	Issue No.	**109 (cont)**
LM End	**2.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880960 °	37.880960 °
				-121.331846 °	-121.331846 °
DWR ID	277				

Comment Code

Inspector Comment

FS_ID:53328
DS_ID:277
EP_NO: 15104
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 9/5/2018 Same as last inspection. There was no leak present at time of inspection but the pipe encasement is same as last set of pictures, so the crossing remains Urgent (D. Sanoski - DWR UCIP).7/12/2016 Leak is present on WS section of pipe. Recommend an internal inspection of the pipe through the levee due to the age of the pipe and the present leak found on the WS. Owner will need to coordinate with DWR Inspector and CVFPB to address leak. (DWR UCIP - O. Magana)5/19/2015 Crossing is being maintained. (DWR UCIP - O. Magana)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 - O. Magana)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2.18 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways are located on the waterside (WS) slope. 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. (8-inch pipe installed under Permit No. 15104, 1989 - R. Remonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]
FS Date: 9/5/2018 9:53:00 AM

Photo 2 of 3 : UCIP_SP_2019_53328_75742.jpg



WS view--moisture observed on ground below wrapped pipe section, photo 1 of 2.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

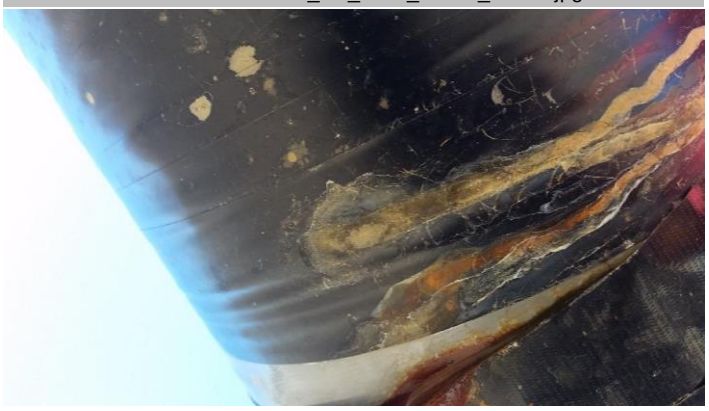
LM Start	**2.67**	Rating **	U	Issue No.	**109 (cont)**
LM End	**2.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880960 °	37.880960 °
				-121.331846 °	-121.331846 °
DWR ID	277				

Comment Code

Inspector Comment

FS_ID:53328
DS_ID:277
EP_NO: 15104
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 9/5/2018 Same as last inspection. There was no leak present at time of inspection but the pipe encasement is same as last set of pictures, so the crossing remains Urgent (D. Sanoski - DWR UCIP).7/12/2016 Leak is present on WS section of pipe. Recommend an internal inspection of the pipe through the levee due to the age of the pipe and the present leak found on the WS. Owner will need to coordinate with DWR Inspector and CVFPB to address leak. (DWR UCIP - O. Magana)5/19/2015 Crossing is being maintained. (DWR UCIP - O. Magana)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 - O. Magana)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2.18 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways are located on the waterside (WS) slope. 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. (8-inch pipe installed under Permit No. 15104, 1989 - R. Remonda and C. Young; levee re-shaping authorized under Permit No. 15014, 1989 - Reclamation District 17 [RD0017]) [Additional Reference(s): DWR Levee Log, 1981 and 2003]
FS Date: 9/5/2018 9:53:00 AM

Photo 3 of 3 : UCIP_SP_2019_53328_75743.jpg



Pipe leak visible on WS pipe section, photo 2 of 2.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

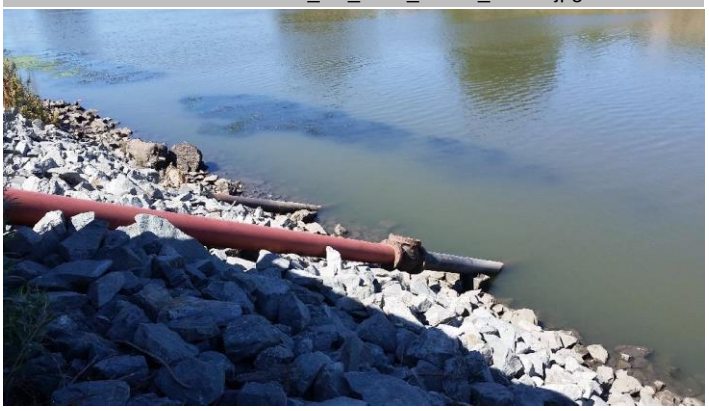
LM Start	**2.67**	Rating **	U	Issue No.	**110**
LM End	**2.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880923 °	37.880923 °
				-121.331857 °	-121.331857 °
DWR ID	278				

Comment Code

Inspector Comment

FS_ID:53329
DS_ID:278
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

Photo 1 of 3 : UCIP_SP_2019_53329_75736.jpg



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

LM Start	**2.67**	Rating **	U	Issue No.	**110 (cont)**
LM End	**2.67**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_53329_75733.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**2.67**	Rating **	U	Issue No.	**110 (cont)**
LM End	**2.67**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880923 °	37.880923 °
				-121.331857 °	-121.331857 °
DWR ID	278				

Comment Code

Inspector Comment

FS_ID:53329
DS_ID:278
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

Photo 3 of 3 : UCIP_SP_2019_53329_75734.jpg

WS-pipe daylight just above rip rap near red pipe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.00**	Rating **	M	Issue No.	**111**
LM End	**3.00**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID	20				

Comment Code

Inspector Comment

FS_ID:40655
DS_ID:20
EP_NO: 15106
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Burrow activity dession on landward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.27 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump on waterside (WS) slope, standpipe located 14 feet LS of levee toe. (10-inch installed and existing 12-inch pipe removed under Permit No. 15106, 1989-A.J. Rodgers Estate - C/O Opal Rodgers; pipe was installed during the levee work approved under Permit Number 15014, 1989-Reclamation District No. 17 [RD0017]) [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 2/4/2010

Photo 1 of 3 : UCIP_SP_2019_40655_72050.jpg

View of waterward side.

LM Start	**3.00**	Rating **	M	Issue No.	**111 (cont)**
LM End	**3.00**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40655_72051.jpg

Pump station and control panel located on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.00**	Rating **	M	Issue No.	**111 (cont)**
LM End	**3.00**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID	20				

Comment Code

Inspector Comment

FS_ID:40655
DS_ID:20
EP_NO: 15106
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Burrow activity dession on landward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.27 feet below levee crown. Siphon breaker on landside (LS) shoulder. Pump on waterside (WS) slope, standpipe located 14 feet LS of levee toe. (10-inch installed and existing 12-inch pipe removed under Permit No. 15106, 1989-A.J. Rodgers Estate - C/O Opal Rodgers; pipe was installed during the levee work approved under Permit Number 15014, 1989-Reclamation District No. 17 [RD0017]) [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 2/4/2010

Photo 3 of 3 : UCIP_SP_2019_40655_72049.jpg

View of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.16**	Rating **	M	Issue No.	**112**
LM End	**3.16**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874160 °	37.874160 °
				-121.331761 °	-121.331761 °
DWR ID	21				

Comment Code

Inspector Comment

FS_ID:46005
DS_ID:21
EP_NO: 15310
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/19/15 Deteriorated section of pipe has been replaced. Need to contact KSN, engineering consulting representing LMA, to determine repair details and to obtain permit authorizing repair.02/04/10 Pipe wall deteriorated. 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: 10-inch steel drainage pipe through levee, 4-feet below crown. Siphon breaker on landside (LS) shoulder. Pump located on the LS approximately 45 feet from the levee toe. (10-inch pipe installed (per As-builts), 8-inch referenced in permit records, and existing 6-inch pipe removed (two existing pipes removed), work authorized under Permit No. 15310, 1989-O. Rodgers; 10-inch pipe was installed during the levee work approved under Permit No. 15014, 1989-Reclamation District No. 17 [RD0017]). [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 1 of 3 : UCIP_SP_2019_46005_74456.jpg

(2015) View of waterward side.

LM Start	**3.16**	Rating **	M	Issue No.	**112 (cont)**
LM End	**3.16**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_46005_74458.jpg

(2015) Pipe section replaced.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.16**	Rating **	M	Issue No.	**112 (cont)**
LM End	**3.16**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874160 °	37.874160 °
				-121.331761 °	-121.331761 °
DWR ID	21				

Comment Code

Inspector Comment

FS_ID:46005
DS_ID:21
EP_NO: 15310
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/19/15 Deteriorated section of pipe has been replaced. Need to contact KSN, engineering consulting representing LMA, to determine repair details and to obtain permit authorizing repair.02/04/10 Pipe wall deteriorated. 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: 10-inch steel drainage pipe through levee, 4-feet below crown. Siphon breaker on landside (LS) shoulder. Pump located on the LS approximately 45 feet from the levee toe. (10-inch pipe installed (per As-builts), 8-inch referenced in permit records, and existing 6-inch pipe removed (two existing pipes removed), work authorized under Permit No. 15310, 1989-O. Rodgers; 10-inch pipe was installed during the levee work approved under Permit No. 15014, 1989-Reclamation District No. 17 [RD0017]). [Additional Reference(s): DWR Levee Logs, 1981, 2003]
FS Date: 5/19/2015

Photo 3 of 3 : UCIP_SP_2019_46005_74457.jpg

(2015) View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.44**	Rating **	M	Issue No.	**113**
LM End	**3.44**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.871000 °	37.871000 °
				-121.329000 °	-121.329000 °
DWR ID	25466				

Comment Code

Inspector Comment

FS_ID:50004
DS_ID:25466
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_SP_2019_50004_75870.jpg

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

LM Start	**3.44**	Rating **	M	Issue No.	**113 (cont)**
LM End	**3.44**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_50004_75871.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

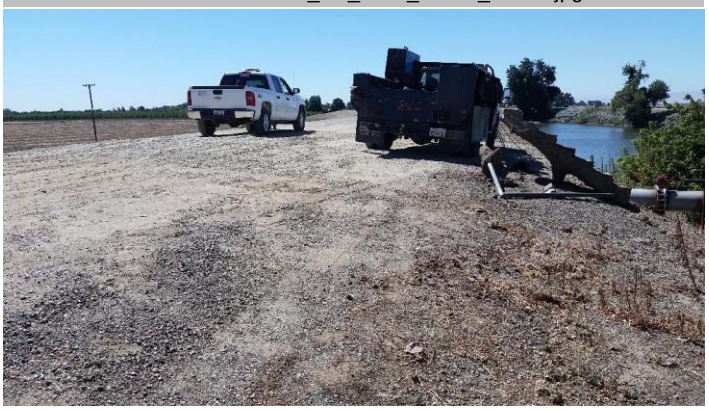
LM Start	**3.44**	Rating **	M	Issue No.	**113 (cont)**
LM End	**3.44**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.871000 °	37.871000 °
				-121.329000 °	-121.329000 °
DWR ID	25466				

Comment Code

Inspector Comment

FS_ID:50004
DS_ID:25466
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 3 of 3 : UCIP_SP_2019_50004_75872.jpg



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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.47**	Rating **	M	Issue No.	**114**
LM End	**3.47**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID	23				

Comment Code

Inspector Comment

FS_ID:40658
DS_ID:23
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

Photo 1 of 3 : UCIP_SP_2019_40658_72112.jpg

View of levee crown at crossing.

LM Start	**3.47**	Rating **	M	Issue No.	**114 (cont)**
LM End	**3.47**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40658_72111.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.47**	Rating **	M	Issue No.	**114 (cont)**
LM End	**3.47**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID	23				

Comment Code

Inspector Comment

FS_ID:40658
DS_ID:23
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

Photo 3 of 3 : UCIP_SP_2019_40658_72110.jpg

Marker visible on waterward side.

LM Start	**3.63**	Rating **	M	Issue No.	**115**
LM End	**3.63**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID	26				

Comment Code

Inspector Comment

FS_ID:40659
DS_ID:26
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_SP_2019_40659_72116.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.63**	Rating **	M	Issue No.	**115 (cont)**
LM End	**3.63**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID	26				

Comment Code

Inspector Comment

FS_ID:40659
DS_ID:26
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 2 of 3 : UCIP_SP_2019_40659_72115.jpg

Pump station locate on landward side.

LM Start	**3.63**	Rating **	M	Issue No.	**115 (cont)**
LM End	**3.63**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40659_72114.jpg

Siphon breaker located on landward slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**3.75**	Rating **	M	Issue No.	**116**
LM End	**3.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.867000 °	37.867000 °
				-121.327000 °	-121.327000 °
DWR ID	25465				

Comment Code

Inspector Comment

FS_ID:50005
DS_ID:25465
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_SP_2019_50005_75863.jpg

View of WS, photo taken looking downstream.

LM Start	**3.75**	Rating **	M	Issue No.	**116 (cont)**
LM End	**3.75**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_50005_75864.jpg

View of LS, photo taken looking downstream.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

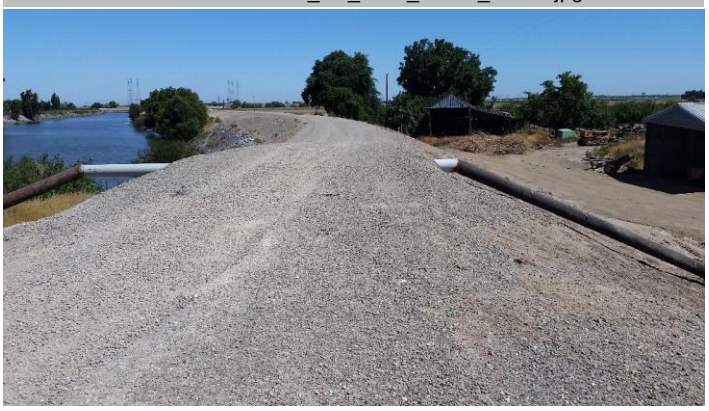
LM Start	**3.75**	Rating **	M	Issue No.	**116 (cont)**
LM End	**3.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.867000 °	37.867000 °
				-121.327000 °	-121.327000 °
DWR ID	25465				

Comment Code

Inspector Comment

FS_ID:50005
DS_ID:25465
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 3 of 3 : UCIP_SP_2019_50005_75865.jpg



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

LM Start	**4.20**	Rating **	M	Issue No.	**92**
LM End	**4.20**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863740 °	37.863740 °
				-121.320629 °	-121.320629 °
DWR ID	DWR_RD0017_02_s _ 2019_92				

Comment Code

V6 : Landscaping

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.21**	Rating **	M	Issue No.	**117**
LM End	**4.21**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644 °
				-121.320435 °	-121.320435 °
DWR ID	28				

Comment Code

Inspector Comment

FS_ID:43264
DS_ID:28
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 Statining 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 continous. 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 1 of 3 : UCIP_SP_2019_43264_72125.jpg

View of levee crown at crossing.

LM Start	**4.21**	Rating **	M	Issue No.	**117 (cont)**
LM End	**4.21**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_43264_72124.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

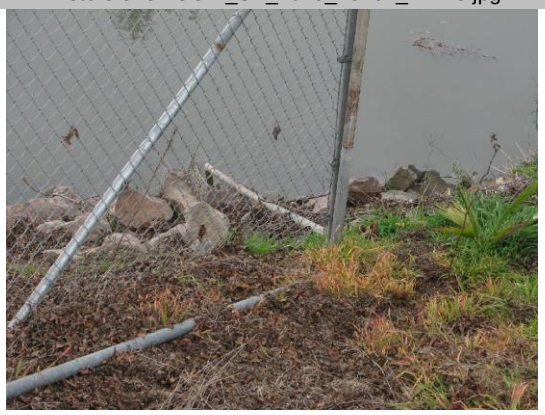
LM Start	**4.21**	Rating **	M	Issue No.	**117 (cont)**
LM End	**4.21**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644 °
				-121.320435 °	-121.320435 °
DWR ID	28				

Comment Code

Inspector Comment

FS_ID:43264
DS_ID:28
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 Statining 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 continous. 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 3 of 3 : UCIP_SP_2019_43264_72123.jpg



View of crossing on waterward side.

LM Start	**4.23**	Rating **	M	Issue No.	**79**
LM End	**4.28**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.863494 °	37.862935 °
				-121.320158 °	-121.319798 °
DWR ID	DWR_RD0017_02_f _ 2017_79				

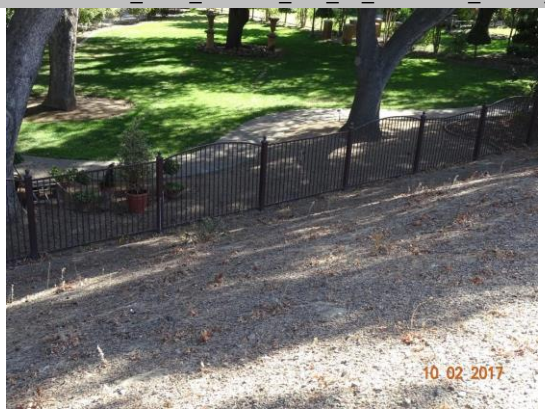
Comment Code

FE : Fence

Inspector Comment

There is a fence along the landside toe limiting access.

Photo 1 of 1 : SP_2019_RD0017_304_79_20190313_00009.jpg



Looking east at the landside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.26**	Rating **	M	Issue No.	**118**
LM End	**4.26**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID	29				

Comment Code

Inspector Comment

FS_ID:40662
DS_ID:29
EP_NO: 15112
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. Debris (pipe section) scattered on waterward side.
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.29 feet below crown. Siphon breaker on landside (LS) shoulder. Pump on waterside (WS) berm, standpipe located 28 feet from the LS toe. Stairway located on both WS and LS slopes. (10-inch pipe installed and existing 10-inch pipe removed under Permit No. 15112, 1990 - C. Marshall; 10-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 and 2003]
FS Date: 2/4/2010

Photo 1 of 3 : UCIP_SP_2019_40662_72130.jpg

View of landward side.

LM Start	**4.26**	Rating **	M	Issue No.	**118 (cont)**
LM End	**4.26**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40662_72128.jpg

View of waterward side--pump house, walkway, pipe, and abandone pipe section.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.26**	Rating **	M	Issue No.	**118 (cont)**
LM End	**4.26**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID	29				

Comment Code

Inspector Comment

FS_ID:40662
DS_ID:29
EP_NO: 15112
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. Debris (pipe section) scattered on waterward side.
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.29 feet below crown. Siphon breaker on landside (LS) shoulder. Pump on waterside (WS) berm, standpipe located 28 feet from the LS toe. Stairway located on both WS and LS slopes. (10-inch pipe installed and existing 10-inch pipe removed under Permit No. 15112, 1990 - C. Marshall; 10-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 and 2003]
FS Date: 2/4/2010

Photo 3 of 3 : UCIP_SP_2019_40662_72134.jpg

Pipe through pump house located on waterward side.

LM Start	**4.37**	Rating **	A/W	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

There are oleanders along fence line. The LMA trimmed oleanders along landside.

Photo 1 of 2 : SP_2019_RD0017_304_1_20190313_00001.jpg

Looking south at trimmed oleanders on landward slope along fence.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.37**	Rating **	A/W	Issue No.	**1 (cont)**
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

There are oleanders along fence line. The LMA trimmed oleanders along landside.

Photo 2 of 2 : SP_2019_RD0017_304_1_20190313_00002.jpg

Looking southwest at trimmed oleanders on landward slope along fence.

LM Start	**4.43**	Rating **	A/W	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

Rodent holes have been backfilled, but should be monitored.

No Photos

LM Start	**4.49**	Rating **	C	Issue No.	**86**
LM End	**4.49**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.860728 °	37.860728 °
				-121.318529 °	-121.318529 °
DWR ID	DWR_RD0017_02_s _ 2018_86				

Comment Code

TR : Tree or limb

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.63**	Rating **	A/W	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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.80**	Rating **	U	Issue No.	**119**
LM End	**4.80**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID	33				

Comment Code

Inspector Comment

FS_ID:53539
DS_ID:33
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 - o. magana) 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_SP_2019_53539_75723.jpg

View of WS.

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

Flood Control Project Maintenance
Levee Inspections

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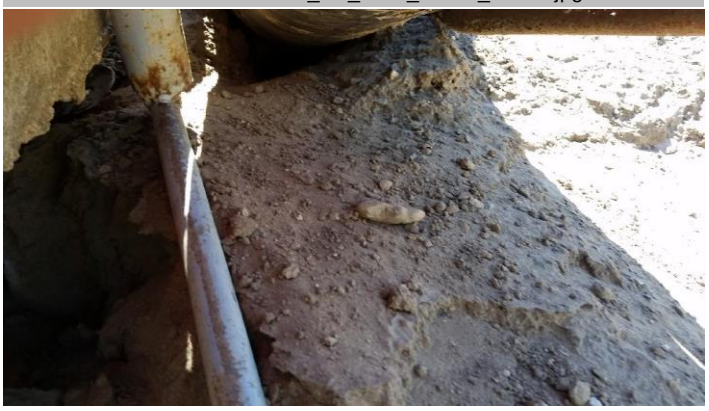
Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

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

LM Start	**4.80**	Rating **	U	Issue No.	**119 (cont)**
LM End	**4.80**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_53539_75724.jpg



Internal erosion still visible on WS.

LM Start	**4.80**	Rating **	U	Issue No.	**119 (cont)**
LM End	**4.80**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_53539_75720.jpg

View of LS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.84**	Rating **	A/W	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

District grouted rodent holes.

Photo 1 of 2 : SP_2019_RD0017_304_82_20190313_00010.jpg

Looking south at typical view of grouted rodent holes on landward shoulder. (Fall 2018)

LM Start	**4.84**	Rating **	A/W	Issue No.	**82 (cont)**
LM End	**4.84**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD0017_304_82_20190313_00011.jpg

Looking southeast at typical view of grouted rodent holes on landward shoulder and slope. (Fall 2018)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.95**	Rating **	M	Issue No.	**120**
LM End	**4.95**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855370 °	37.855370 °
				-121.319870 °	-121.319870 °
DWR ID	34				

Comment Code

Inspector Comment

FS_ID:52587
DS_ID:34
EP_NO: 15117
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 12/01/2017 Supporting documentation (field report) was received from KSN, Inc, R. Toy, addressing the repair of the leaking pipe and levee slope at this location. Compaction tests associated with the repair have not been received -- need to coordinate with CVFPB, LMA, and DWR Inspector. (DWR UCIP - O. Magana)07/12/2016 Crossing has been downgraded from Urgent to Non-Urgent--LS levee slope repaired. Levee slope was disturbed to repair leaky pipe--LS splice approximately 20-30 feet off the LS toe. Need to contact owner to determine if any documentation is available to support repair extent or internal integrity inspection of pipe through levee. (DWR UCIP - omagana)02/04/2010 Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.43-feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located approximately 100 feet from the landside (LS) toe. Ramp is located on the LS slope. (10-inch installed and existing 8-inch pipe removed under Permit No. 15117, 1989 - Rio Blanco Ranch, Inc.; 10-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]
FS Date: 12/1/2017 9:41:00 AM

Photo 1 of 3 : UCIP_SP_2019_52587_72215.jpg

View of LS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.95**	Rating **	M	Issue No.	**120 (cont)**
LM End	**4.95**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855370 °	37.855370 °
				-121.319870 °	-121.319870 °
DWR ID	34				

Comment Code

Inspector Comment

FS_ID:52587
DS_ID:34
EP_NO: 15117
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 12/01/2017 Supporting documentation (field report) was received from KSN, Inc, R. Toy, addressing the repair of the leaking pipe and levee slope at this location. Compaction tests associated with the repair have not been received -- need to coordinate with CVFPB, LMA, and DWR Inspector. (DWR UCIP - O. Magana)07/12/2016 Crossing has been downgraded from Urgent to Non-Urgent--LS levee slope repaired. Levee slope was disturbed to repair leaky pipe--LS splice approximately 20-30 feet off the LS toe. Need to contact owner to determine if any documentation is available to support repair extent or internal integrity inspection of pipe through levee. (DWR UCIP - omagana)02/04/2010 Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.43-feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located approximately 100 feet from the landside (LS) toe. Ramp is located on the LS slope. (10-inch installed and existing 8-inch pipe removed under Permit No. 15117, 1989 - Rio Blanco Ranch, Inc.; 10-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]
FS Date: 12/1/2017 9:41:00 AM

Photo 2 of 3 : UCIP_SP_2019_52587_72214.jpg

Section of levee slope exposed on LS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**4.95**	Rating **	M	Issue No.	**120 (cont)**
LM End	**4.95**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855370 °	37.855370 °
				-121.319870 °	-121.319870 °
DWR ID	34				

Comment Code

Inspector Comment

FS_ID:52587
DS_ID:34
EP_NO: 15117
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 12/01/2017 Supporting documentation (field report) was received from KSN, Inc, R. Toy, addressing the repair of the leaking pipe and levee slope at this location. Compaction tests associated with the repair have not been received -- need to coordinate with CVFPB, LMA, and DWR Inspector. (DWR UCIP - O. Magana)07/12/2016 Crossing has been downgraded from Urgent to Non-Urgent--LS levee slope repaired. Levee slope was disturbed to repair leaky pipe--LS splice approximately 20-30 feet off the LS toe. Need to contact owner to determine if any documentation is available to support repair extent or internal integrity inspection of pipe through levee. (DWR UCIP - omagana)02/04/2010 Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 3.43-feet below the levee crown. Siphon breaker is located on the waterside (WS) shoulder. Pump is located approximately 100 feet from the landside (LS) toe. Ramp is located on the LS slope. (10-inch installed and existing 8-inch pipe removed under Permit No. 15117, 1989 - Rio Blanco Ranch, Inc.; 10-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]
FS Date: 12/1/2017 9:41:00 AM

Photo 3 of 3 : UCIP_SP_2019_52587_72213.jpg

Pump station located on LS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**5.07**	Rating **	M	Issue No.	**121**
LM End	**5.07**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID	35				

Comment Code

Inspector Comment

FS_ID:45998
DS_ID:35
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 seciton 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 1 of 3 : UCIP_SP_2019_45998_74483.jpg

(2015) View of waterward side--erosion at pipe daylight.

LM Start	**5.07**	Rating **	M	Issue No.	**121 (cont)**
LM End	**5.07**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_45998_74485.jpg

(2015) Wet ground along pipe alignment on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**5.07**	Rating **	M	Issue No.	**121 (cont)**
LM End	**5.07**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID	35				

Comment Code

Inspector Comment

FS_ID:45998
DS_ID:35
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 seciton 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_SP_2019_45998_74484.jpg

(2015) Erosion visible on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**5.41**	Rating **	M	Issue No.	**122**
LM End	**5.41**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID	36				

Comment Code

Inspector Comment

FS_ID:40669
DS_ID:36
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 1 of 3 : UCIP_SP_2019_40669_72239.jpg

Overview of levee crown at crossing.

LM Start	**5.41**	Rating **	M	Issue No.	**122 (cont)**
LM End	**5.41**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40669_72238.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**5.41**	Rating **	M	Issue No.	**122 (cont)**
LM End	**5.41**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID	36				

Comment Code

Inspector Comment

FS_ID:40669
DS_ID:36
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_SP_2019_40669_72237.jpg

Distribution box located on landward side.

LM Start	**6.14**	Rating **	M	Issue No.	**123**
LM End	**6.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID	38				

Comment Code

Inspector Comment

FS_ID:40672
DS_ID:38
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_SP_2019_40672_72270.jpg

View of pipe section on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

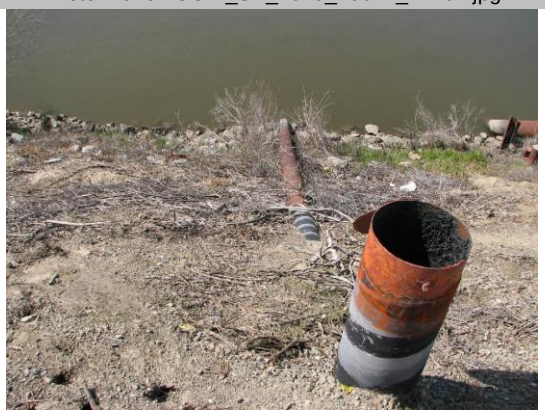
LM Start	**6.14**	Rating **	M	Issue No.	**123 (cont)**
LM End	**6.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID	38				

Comment Code

Inspector Comment

FS_ID:40672
DS_ID:38
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 2 of 3 : UCIP_SP_2019_40672_72267.jpg



View of waterward side.

LM Start	**6.14**	Rating **	M	Issue No.	**123 (cont)**
LM End	**6.14**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40672_72271.jpg

Pipe section inside wall has completely corroded--wall missing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	Erosion / Bank Caving			37.841859 °	37.841859 °
				-121.316240 °	-121.316240 °
DWR ID	DWR_RD0017_02_s _ 2019_93				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Landside rills are scheduled for repair in the summer of 2019.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

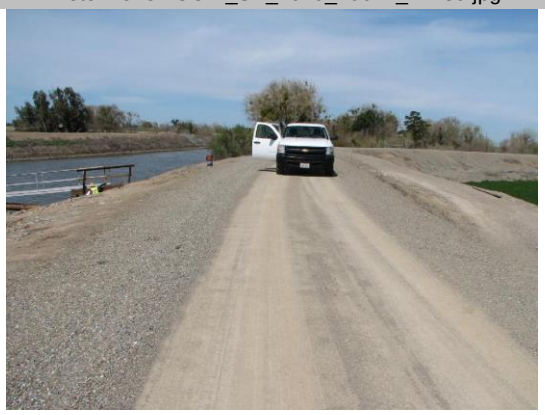
LM Start	**6.79**	Rating **	M	Issue No.	**124**
LM End	**6.79**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995 °
				-121.316566 °	-121.316566 °
DWR ID	40				

Comment Code

Inspector Comment

FS_ID:40677
DS_ID:40
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_SP_2019_40677_72289.jpg



View of levee crown at crossing.

LM Start	**6.79**	Rating **	M	Issue No.	**124 (cont)**
LM End	**6.79**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40677_72294.jpg

Siphon breaker located on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**6.79**	Rating **	M	Issue No.	**124 (cont)**
LM End	**6.79**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995 °
				-121.316566 °	-121.316566 °
DWR ID	40				

Comment Code

Inspector Comment

FS_ID:40677
DS_ID:40
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_SP_2019_40677_72292.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.17**	Rating **	M	Issue No.	**125**
LM End	**7.17**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID	42				

Comment Code

Inspector Comment

FS_ID:40679
DS_ID:42
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 addtional 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_SP_2019_40679_72307.jpg

Overview of levee crown at crossing.

LM Start	**7.17**	Rating **	M	Issue No.	**125 (cont)**
LM End	**7.17**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40679_72306.jpg

CMP riser located on landward slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.17**	Rating **	M	Issue No.	**125 (cont)**
LM End	**7.17**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID	42				

Comment Code

Inspector Comment

FS_ID:40679
DS_ID:42
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 addtional 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_SP_2019_40679_72305.jpg

Standpipe visible on landward toe.

LM Start	**7.20**	Rating **	M	Issue No.	**126**
LM End	**7.20**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID	43				

Comment Code

Inspector Comment

FS_ID:40680
DS_ID:43
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_SP_2019_40680_72314.jpg

Overview of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.20**	Rating **	M	Issue No.	**126 (cont)**
LM End	**7.20**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID	43				

Comment Code

Inspector Comment

FS_ID:40680
DS_ID:43
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 2 of 3 : UCIP_SP_2019_40680_72313.jpg

Abandoned boat protecting pump station located on waterward side.

LM Start	**7.20**	Rating **	M	Issue No.	**126 (cont)**
LM End	**7.20**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40680_72316.jpg

Motor located on waterward slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.43**	Rating **	M	Issue No.	**127**
LM End	**7.43**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID	44				

Comment Code

Inspector Comment

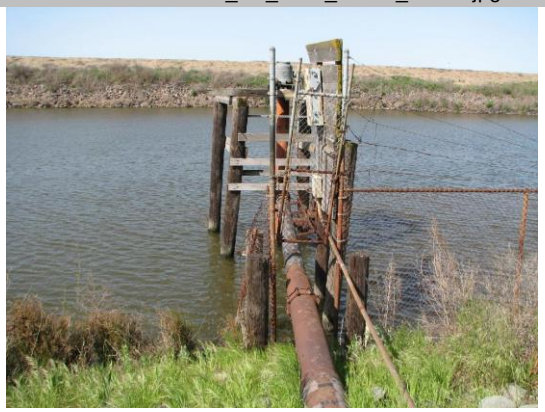
FS_ID:40681
DS_ID:44
EP_NO: 15079
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
FIELD_STRUCT_DESC: 14-inch 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 1 of 3 : UCIP_SP_2019_40681_72325.jpg

View of waterward side.

LM Start	**7.43**	Rating **	M	Issue No.	**127 (cont)**
LM End	**7.43**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40681_72328.jpg



Pipe, pump, and platform located on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.43**	Rating **	M	Issue No.	**127 (cont)**
LM End	**7.43**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID	44				

Comment Code

Inspector Comment

FS_ID:40681
DS_ID:44
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_SP_2019_40681_72330.jpg

Pump station fenced off on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.44**	Rating **	M	Issue No.	**128**
LM End	**7.44**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830115 °	37.830115 °
				-121.310908 °	-121.310908 °
DWR ID	99				

Comment Code

Inspector Comment

FS_ID:40682
DS_ID:99
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 1 of 3 : UCIP_SP_2019_40682_72322.jpg

Overview of levee crown at crossing.

LM Start	**7.44**	Rating **	M	Issue No.	**128 (cont)**
LM End	**7.44**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40682_72321.jpg

Relief valve located on landward shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.44**	Rating **	M	Issue No.	**128 (cont)**
LM End	**7.44**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830115 °	37.830115 °
				-121.310908 °	-121.310908 °
DWR ID	99				

Comment Code

Inspector Comment

FS_ID:40682
DS_ID:99
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_SP_2019_40682_72320.jpg

View of waterward side.

LM Start	**7.45**	Rating **	M	Issue No.	**129**
LM End	**7.45**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID	284				

Comment Code

Inspector Comment

FS_ID:40683
DS_ID:284
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_SP_2019_40683_72333.jpg

Overview of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.45**	Rating **	M	Issue No.	**129 (cont)**
LM End	**7.45**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID	284				

Comment Code

Inspector Comment

FS_ID:40683
DS_ID:284
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 2 of 3 : UCIP_SP_2019_40683_72332.jpg

CMP riser located on waterward shoulder.

LM Start	**7.45**	Rating **	M	Issue No.	**129 (cont)**
LM End	**7.45**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40683_72335.jpg

Pipe visible on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.57**	Rating **	M	Issue No.	**130**
LM End	**7.57**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.828258 °	37.828258 °
				-121.310003 °	-121.310003 °
DWR ID	97				

Comment Code

Inspector Comment

FS_ID:40684
DS_ID:97
EP_NO: 15080
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe appears no longer in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.43-feet below crown. Pump on waterside (WS) slope, siphon breaker on WS shoulder, and standpipe on landside (LS) toe. (7-inch pipe installed and was authorized under Permit No. 15080, 1989 - J. P. Aven, existing 6-inch pipe removed).
FS Date: 2/4/2010

Photo 1 of 3 : UCIP_SP_2019_40684_72340.jpg

Overview of levee crown at crossing.

LM Start	**7.57**	Rating **	M	Issue No.	**130 (cont)**
LM End	**7.57**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40684_72342.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.57**	Rating **	M	Issue No.	**130 (cont)**
LM End	**7.57**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.828258 °	37.828258 °
				-121.310003 °	-121.310003 °
DWR ID	97				

Comment Code

Inspector Comment

FS_ID:40684
DS_ID:97
EP_NO: 15080
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe appears no longer in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.43-feet below crown. Pump on waterside (WS) slope, siphon breaker on WS shoulder, and standpipe on landside (LS) toe. (7-inch pipe installed and was authorized under Permit No. 15080, 1989 - J. P. Aven, existing 6-inch pipe removed).
FS Date: 2/4/2010

Photo 3 of 3 : UCIP_SP_2019_40684_72338.jpg

Pump and pipe located on waterward slope.

LM Start	**7.58**	Rating **	M	Issue No.	**25**
LM End	**7.60**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.828095 °	37.827920 °
				-121.309945 °	-121.309847 °
DWR ID	DWR_RD0017_02_s _ 2012_25				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.67**	Rating **	M	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_s _ 2019_95				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	**7.71**	Rating **	M	Issue No.	**131**
LM End	**7.71**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID	98				

Comment Code

Inspector Comment

FS_ID:40685
DS_ID:98
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_SP_2019_40685_72351.jpg

Overview of levee crown at pipe crossing.

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

Flood Control Project Maintenance
Levee Inspections

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Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.71**	Rating **	M	Issue No.	**131 (cont)**
LM End	**7.71**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID	98				

Comment Code

Inspector Comment

FS_ID:40685
DS_ID:98
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 2 of 3 : UCIP_SP_2019_40685_72350.jpg

Pipe daylight on waterward side.

LM Start	**7.71**	Rating **	M	Issue No.	**131 (cont)**
LM End	**7.71**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40685_72348.jpg

Pump station located on platform located on waterwarad side.

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

Flood Control Project Maintenance
Levee Inspections

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.73**	Rating **	M	Issue No.	**132**
LM End	**7.73**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826031 °	37.826031 °
				-121.309569 °	-121.309569 °
DWR ID	804				

Comment Code

Inspector Comment

FS_ID:40686
DS_ID:804
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to find any appurtenances need to coordinate with owner to obtain additional informaiton about crossing. Standpipe 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: Standpipe located on levee crown.
FS Date: 2/4/2010

Photo 1 of 2 : UCIP_SP_2019_40686_72353.jpg

Standpipe located on levee crown.

LM Start	**7.73**	Rating **	M	Issue No.	**132 (cont)**
LM End	**7.73**	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2019_40686_72352.jpg

View of waterward side.

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

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Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.75**	Rating **	M	Issue No.	**133**
LM End	**7.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825857 °	37.825857 °
				-121.309574 °	-121.309574 °
DWR ID	100				

Comment Code

Inspector Comment

FS_ID:40687
DS_ID:100
EP_NO: 15082
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pumps were 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: 20-inch asphalt coated and wrapped steel irrigation pipe through levee, 2.1-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. (20-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 16-inch pipe in general area)
FS Date: 2/4/2010

Photo 1 of 3 : UCIP_SP_2019_40687_72357.jpg

View of waterward side.

LM Start	**7.75**	Rating **	M	Issue No.	**133 (cont)**
LM End	**7.75**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40687_72356.jpg

View of waterward side--no pumps present anymore.

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

Flood Control Project Maintenance
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Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.75**	Rating **	M	Issue No.	**133 (cont)**
LM End	**7.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825857°	37.825857°
				-121.309574°	-121.309574°
DWR ID	100				

Comment Code

Inspector Comment

FS_ID:40687
DS_ID:100
EP_NO: 15082
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pumps were 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: 20-inch asphalt coated and wrapped steel irrigation pipe through levee, 2.1-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. (20-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 16-inch pipe in general area)
FS Date: 2/4/2010

Photo 3 of 3 : UCIP_SP_2019_40687_72358.jpg

Conduit lines present on waterward side--no connection.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.75**	Rating **	M	Issue No.	**134**
LM End	**7.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID	288				

Comment Code

Inspector Comment

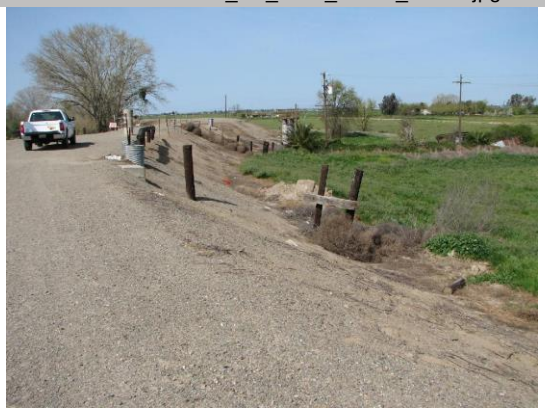
FS_ID:40688
DS_ID:288
EP_NO: 15082
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump was removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. 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

Photo 1 of 3 : UCIP_SP_2019_40688_72361.jpg

View of pipe on waterward side.

LM Start	**7.75**	Rating **	M	Issue No.	**134 (cont)**
LM End	**7.75**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40688_72360.jpg



View of landward side.

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

Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.75**	Rating **	M	Issue No.	**134 (cont)**
LM End	**7.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID	288				

Comment Code

Inspector Comment

FS_ID:40688
DS_ID:288
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

Photo 3 of 3 : UCIP_SP_2019_40688_72359.jpg

Conduits visible on waterward side--no connection.

LM Start	**7.89**	Rating **	M	Issue No.	**135**
LM End	**7.89**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID	805				

Comment Code

Inspector Comment

FS_ID:40689
DS_ID:805
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

Photo 1 of 3 : UCIP_SP_2019_40689_72367.jpg

View of levee crown at crossing.

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

Flood Control Project Maintenance
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Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**7.89**	Rating **	M	Issue No.	**135 (cont)**
LM End	**7.89**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987°	37.823987°
				-121.309841°	-121.309841°
DWR ID	805				

Comment Code

Inspector Comment

FS_ID:40689
DS_ID:805
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

Photo 2 of 3 : UCIP_SP_2019_40689_72366.jpg

View of landward side.

LM Start	**7.89**	Rating **	M	Issue No.	**135 (cont)**
LM End	**7.89**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40689_72369.jpg

CMP riser located on landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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 **	M	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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**8.99**	Rating **	U	Issue No.	**136**
LM End	**8.99**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID	285				

Comment Code

Inspector Comment

FS_ID:53331
DS_ID:285
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

Photo 1 of 3 : UCIP_SP_2019_53331_75741.jpg

View of WS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**8.99**	Rating **	U	Issue No.	**136 (cont)**
LM End	**8.99**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID	285				

Comment Code

Inspector Comment

FS_ID:53331
DS_ID:285
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

Photo 2 of 3 : UCIP_SP_2019_53331_75740.jpg

WS-pipe still damage, pipe wall section missing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**8.99**	Rating **	U	Issue No.	**136 (cont)**
LM End	**8.99**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID	285				

Comment Code

Inspector Comment

FS_ID:53331
DS_ID:285
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

Photo 3 of 3 : UCIP_SP_2019_53331_75738.jpg

WS shoulder--protective housing units for siphon breakers.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**9.09**	Rating **	M	Issue No.	**137**
LM End	**9.09**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816767 °	37.816767 °
				-121.314681 °	-121.314681 °
DWR ID	48				

Comment Code

Inspector Comment

FS_ID:45453
DS_ID:48
EP_NO: 15084
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to contact owner to determine disposition of pipe. No record of removal has been found and status of crossing needs to be determined.
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through levee, 2.80 feet below levee crown. (Siphon breaker on landside (LS) shoulder. Slant pump on waterside (WS) slope, concrete stairway from pump to WS shoulder, standpipe located 20 feet from the LS toe): Not found. Only indicator is a 1.5-inch PVC electrical conduit visible on WS slope 6-feet below the crown. (8-inch pipe authorized under Permit No. 15084, 1989 - F. G. and B. J. Terry, existing 8-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003]
FS Date: 5/21/2015

Photo 1 of 2 : UCIP_SP_2019_45453_74112.jpg

Electrical conduit only appurtanance found on WS slope.

LM Start	**9.09**	Rating **	M	Issue No.	**137 (cont)**
LM End	**9.09**	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2019_45453_74113.jpg

1.5-inch electrical conduit only appurtanance still visible on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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 : SP_2019_RD0017_304_85_20190313_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 : SP_2019_RD0017_304_9_20190313_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 easment.

Photo 1 of 1 : SP_2019_RD0017_304_96_20190430_00198.jpg

View of pipes on landside toe. (Spring 2019)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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.	**138**
LM End	**11.31**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID	51				

Comment Code

Inspector Comment

FS_ID:40695
DS_ID:51
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_SP_2019_40695_72420.jpg

Overview of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.31**	Rating **	M	Issue No.	**138 (cont)**
LM End	**11.31**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410°	37.803410°
				-121.312031°	-121.312031°
DWR ID	51				

Comment Code

Inspector Comment

FS_ID:40695
DS_ID:51
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 2 of 3 : UCIP_SP_2019_40695_72418.jpg

View of waterward side.

LM Start	**11.31**	Rating **	M	Issue No.	**138 (cont)**
LM End	**11.31**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40695_72421.jpg

Slant pump located on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**139**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802921 °	37.802921 °
				-121.311947 °	-121.311947 °
DWR ID	103				

Comment Code

Inspector Comment

FS_ID:40696
DS_ID:103
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_SP_2019_40696_72440.jpg

Overview of levee crown at crossing.

LM Start	**11.35**	Rating **	M	Issue No.	**139 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40696_72448.jpg

View of waterward side geotech fabric damage along slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**139 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802921 °	37.802921 °
				-121.311947 °	-121.311947 °
DWR ID	103				

Comment Code

Inspector Comment

FS_ID:40696
DS_ID:103
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 3 of 3 : UCIP_SP_2019_40696_72449.jpg

Concrete headwall and gates located on waterward toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

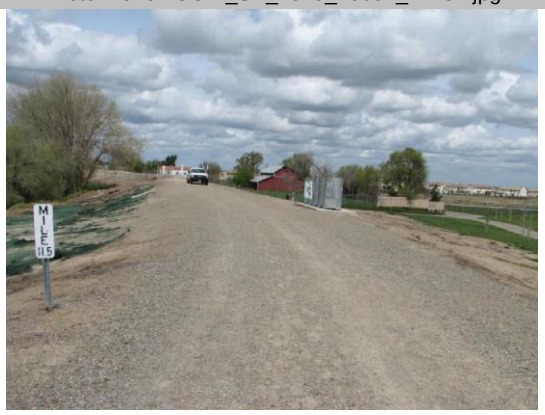
LM Start	**11.35**	Rating **	M	Issue No.	**140**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802904 °	37.802904 °
				-121.311946 °	-121.311946 °
DWR ID	473				

Comment Code

Inspector Comment

FS_ID:40697
DS_ID:473
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] 2 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_SP_2019_40697_72452.jpg



Overview of levee crown at crossings.

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

Photo 2 of 3 : UCIP_SP_2019_40697_72453.jpg

Geotech fabric damage along waterward berm.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**140 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802904 °	37.802904 °
				-121.311946 °	-121.311946 °
DWR ID	473				

Comment Code

Inspector Comment

FS_ID:40697
DS_ID:473
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] 2 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_SP_2019_40697_72450.jpg

Surface erosion visible on waterward berm edge.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**141**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802889°	37.802889°
				-121.311947°	-121.311947°
DWR ID	474				

Comment Code

Inspector Comment

FS_ID:40698
DS_ID:474
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] 3 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_SP_2019_40698_72475.jpg

Overview of levee crown at crossings.

LM Start	**11.35**	Rating **	M	Issue No.	**141 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40698_72477.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**141 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802889 °	37.802889 °
				-121.311947 °	-121.311947 °
DWR ID	474				

Comment Code

Inspector Comment

FS_ID:40698
DS_ID:474
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] 3 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_SP_2019_40698_72474.jpg

Outlet structure located on waterward toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**142**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802869 °	37.802869 °
				-121.311948 °	-121.311948 °
DWR ID	475				

Comment Code

Inspector Comment

FS_ID:40699
DS_ID:475
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] 4 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_SP_2019_40699_72458.jpg

City of Lathrop Stormwater Pump Station 112.

LM Start	**11.35**	Rating **	M	Issue No.	**142 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40699_72457.jpg

View of landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

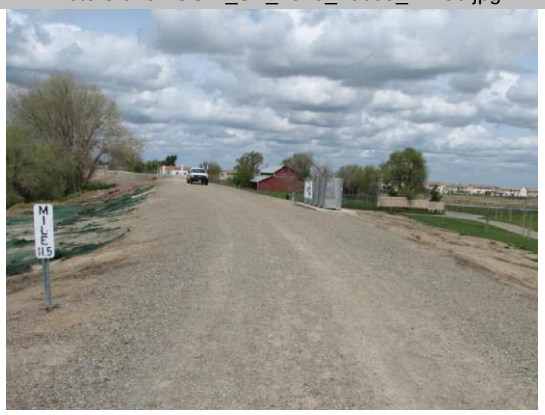
LM Start	**11.35**	Rating **	M	Issue No.	**142 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802869 °	37.802869 °
				-121.311948 °	-121.311948 °
DWR ID	475				

Comment Code

Inspector Comment

FS_ID:40699
DS_ID:475
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] 4 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_SP_2019_40699_72456.jpg



Overview of levee crown at crossings.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

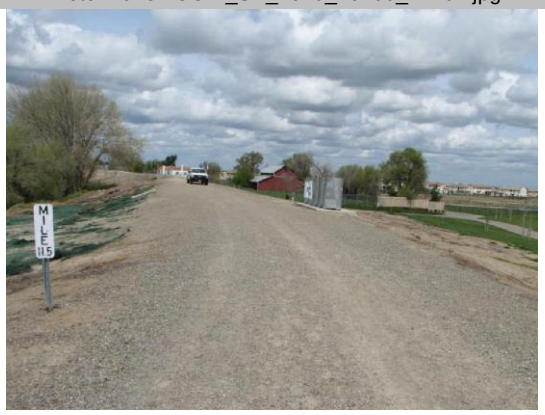
LM Start	**11.35**	Rating **	M	Issue No.	**143**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802854 °	37.802854 °
				-121.311948 °	-121.311948 °
DWR ID	476				

Comment Code

Inspector Comment

FS_ID:40700
DS_ID:476
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_SP_2019_40700_72462.jpg



Overview of levee crown at crossings.

LM Start	**11.35**	Rating **	M	Issue No.	**143 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40700_72467.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.35**	Rating **	M	Issue No.	**143 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802854 °	37.802854 °
				-121.311948 °	-121.311948 °
DWR ID	476				

Comment Code

Inspector Comment

FS_ID:40700
DS_ID:476
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_SP_2019_40700_72465.jpg

Surface erosion on waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.802837 °	37.802837 °
				-121.311949 °	-121.311949 °
DWR ID	477				

Comment Code

Inspector Comment

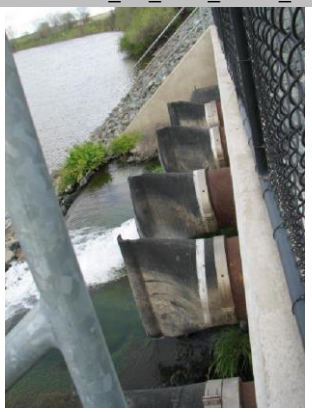
FS_ID:40701
DS_ID:477
EP_NO: 17792
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Surface erosion on waterward slope--need to contact owner.
FIELD_STRUCT_DESC: [Mossdale Outfall] 6 of 6. 30-inch steel drainage pipe through levee at unknown depth. Structure is part of Lathrop City Stormwater 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_SP_2019_40701_72470.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_SP_2019_40701_72469.jpg



Outlet concrete headwall and gates on waterward toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.802837 °	37.802837 °
				-121.311949 °	-121.311949 °
DWR ID	477				

Comment Code

Inspector Comment

FS_ID:40701
DS_ID:477
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 3 of 3 : UCIP_SP_2019_40701_72468.jpg

View of waterward side.

LM Start	**11.43**	Rating **	M	Issue No.	**145**
LM End	**11.43**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.801683 °	37.801683 °
				-121.312001 °	-121.312001 °
DWR ID	53				

Comment Code

Inspector Comment

FS_ID:45463
DS_ID:53
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 1 of 3 : UCIP_SP_2019_45463_74122.jpg

Vent visible on WS slope. Found partially burried.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.43**	Rating **	M	Issue No.	**145 (cont)**
LM End	**11.43**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.801683 °	37.801683 °
				-121.312001 °	-121.312001 °
DWR ID	53				

Comment Code

Inspector Comment

FS_ID:45463
DS_ID:53
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_SP_2019_45463_74121.jpg

Vent visible on WS slope. Found partially burried.

LM Start	**11.43**	Rating **	M	Issue No.	**145 (cont)**
LM End	**11.43**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_45463_74120.jpg

LS slope. No indication of pipe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**11.63**	Rating **	M	Issue No.	**146**
LM End	**11.63**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.798766 °	37.798766 °
				-121.312135 °	-121.312135 °
DWR ID	286				

Comment Code

Inspector Comment

FS_ID:45716
DS_ID:286
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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.14**	Rating **	M	Issue No.	**147**
LM End	**12.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	806				

Comment Code

Inspector Comment

FS_ID:40702
DS_ID:806
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 cossing 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_SP_2019_40702_72481.jpg

Overview of levee crown at crossing.

LM Start	**12.14**	Rating **	M	Issue No.	**147 (cont)**
LM End	**12.14**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40702_72480.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.14**	Rating **	M	Issue No.	**147 (cont)**
LM End	**12.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	806				

Comment Code

Inspector Comment

FS_ID:40702
DS_ID:806
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 cossing 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_SP_2019_40702_72483.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	56				

Comment Code

Inspector Comment

FS_ID:45464
DS_ID:56
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 1 of 3 : UCIP_SP_2019_45464_74125.jpg

Vent in steel riser on LS shoulder.

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

Photo 2 of 3 : UCIP_SP_2019_45464_74124.jpg

View of LS at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	56				

Comment Code

Inspector Comment

FS_ID:45464
DS_ID:56
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_SP_2019_45464_74123.jpg

View of WS at crossing.

LM Start	**12.14**	Rating **	M	Issue No.	**149**
LM End	**12.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID	799				

Comment Code

Inspector Comment

FS_ID:40703
DS_ID:799
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_SP_2019_40703_72487.jpg

Overview of levee crown at crossings.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID	799				

Comment Code

Inspector Comment

FS_ID:40703
DS_ID:799
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 2 of 3 : UCIP_SP_2019_40703_72485.jpg

View of landward side, photo 1 of 2.

LM Start	**12.14**	Rating **	M	Issue No.	**149 (cont)**
LM End	**12.14**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40703_72486.jpg

View of landward side, photo 2 of 2.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

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	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID	800				

Comment Code

Inspector Comment

FS_ID:45993
DS_ID:800
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 1 of 3 : UCIP_SP_2019_45993_72497.jpg

Overview of levee crown at crossing.

LM Start	**12.14**	Rating **	M	Issue No.	**150 (cont)**
LM End	**12.14**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_45993_72495.jpg

View of waterward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.14**	Rating **	M	Issue No.	**150 (cont)**
LM End	**12.14**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID	800				

Comment Code

Inspector Comment

FS_ID:45993
DS_ID:800
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_SP_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.	**151**
LM End	**12.41**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID	807				

Comment Code

Inspector Comment

FS_ID:40706
DS_ID:807
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_SP_2019_40706_72509.jpg

Overview of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.41**	Rating **	M	Issue No.	**151 (cont)**
LM End	**12.41**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID	807				

Comment Code

Inspector Comment

FS_ID:40706
DS_ID:807
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_SP_2019_40706_72511.jpg

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

LM Start	**12.41**	Rating **	M	Issue No.	**151 (cont)**
LM End	**12.41**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40706_72512.jpg

Non-functional crossing pipe disconnected.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.55**	Rating **	M	Issue No.	**152**
LM End	**12.55**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID	60				

Comment Code

Inspector Comment

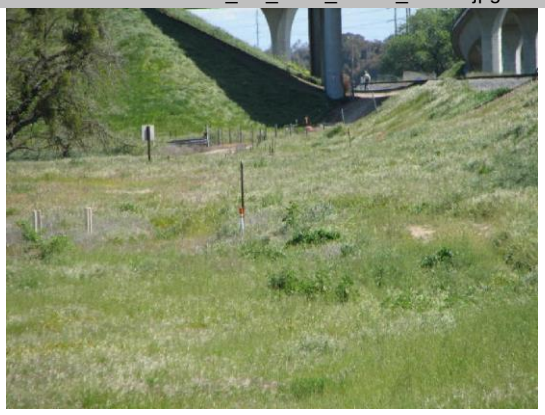
FS_ID:40707
DS_ID:60
EP_NO: 14326
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing.
FIELD_STRUCT_DESC: 4-inch galvanized iron communication 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_SP_2019_40707_72515.jpg

Overview of levee crown at crossing.

LM Start	**12.55**	Rating **	M	Issue No.	**152 (cont)**
LM End	**12.55**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40707_72514.jpg



Crossing alignment along landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.55**	Rating **	M	Issue No.	**152 (cont)**
LM End	**12.55**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID	60				

Comment Code

Inspector Comment

FS_ID:40707
DS_ID:60
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_SP_2019_40707_72513.jpg

Conduit marker on landward side.

LM Start	**12.68**	Rating **	M	Issue No.	**153**
LM End	**12.68**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786343 °	37.786343 °
				-121.306157 °	-121.306157 °
DWR ID	808				

Comment Code

Inspector Comment

FS_ID:45466
DS_ID:808
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_SP_2019_45466_72523.jpg

Pipe was running during field inspection.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**12.68**	Rating **	M	Issue No.	**153 (cont)**
LM End	**12.68**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786343 °	37.786343 °
				-121.306157 °	-121.306157 °
DWR ID	808				

Comment Code

Inspector Comment

FS_ID:45466
DS_ID:808
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_SP_2019_45466_74131.jpg

Concrete manhole on WS shoulder.

LM Start	**12.68**	Rating **	M	Issue No.	**153 (cont)**
LM End	**12.68**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_45466_74130.jpg

Pipe exposed in excavated area on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**13.26**	Rating **	M	Issue No.	**154**
LM End	**13.26**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779653 °	37.779653 °
				-121.300064 °	-121.300064 °
DWR ID	65				

Comment Code

Inspector Comment

FS_ID:40712
DS_ID:65
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 1 of 3 : UCIP_SP_2019_40712_72529.jpg

View of landward side.

LM Start	**13.26**	Rating **	M	Issue No.	**154 (cont)**
LM End	**13.26**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40712_72528.jpg

Pipe section exposed on landward side.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**13.26**	Rating **	M	Issue No.	**154 (cont)**
LM End	**13.26**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779653 °	37.779653 °
				-121.300064 °	-121.300064 °
DWR ID	65				

Comment Code

Inspector Comment

FS_ID:40712
DS_ID:65
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_SP_2019_40712_72530.jpg

View of waterward slope.

LM Start	**13.26**	Rating **	M	Issue No.	**155**
LM End	**13.26**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID	287				

Comment Code

Inspector Comment

FS_ID:40713
DS_ID:287
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_SP_2019_40713_72534.jpg

Precast concrete box located on levee shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	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	DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID	287				

Comment Code

Inspector Comment

FS_ID:40713
DS_ID:287
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_SP_2019_40713_72533.jpg

Pipes visible on waterward side.

LM Start	**13.26**	Rating **	M	Issue No.	**155 (cont)**
LM End	**13.26**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_40713_72537.jpg

Sections of protective wrap missing near waterward toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**13.27**	Rating **	M	Issue No.	**156**
LM End	**13.27**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID	66				

Comment Code

Inspector Comment

FS_ID:40714
DS_ID:66
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 1 of 3 : UCIP_SP_2019_40714_72545.jpg

Overview of levee crown at crossing.

LM Start	**13.27**	Rating **	M	Issue No.	**156 (cont)**
LM End	**13.27**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40714_72539.jpg

Control box and distribution box located on waterward shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**13.27**	Rating **	M	Issue No.	**156 (cont)**
LM End	**13.27**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID	66				

Comment Code

Inspector Comment

FS_ID:40714
DS_ID:66
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_SP_2019_40714_72542.jpg

View of waterward side.

LM Start	**13.28**	Rating **	M	Issue No.	**157**
LM End	**13.28**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID	67				

Comment Code

Inspector Comment

FS_ID:45995
DS_ID:67
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_SP_2019_45995_72526.jpg

View of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**13.28**	Rating **	M	Issue No.	**157 (cont)**
LM End	**13.28**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID	67				

Comment Code

Inspector Comment

FS_ID:45995
DS_ID:67
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_SP_2019_45995_72525.jpg

Markers visible along landward side.

LM Start	**13.28**	Rating **	M	Issue No.	**158**
LM End	**13.28**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °
				-121.299953 °	-121.299953 °
DWR ID	809				

Comment Code

Inspector Comment

FS_ID:40715
DS_ID:809
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 Drainange 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_SP_2019_40715_72548.jpg

View of levee crown at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**13.28**	Rating **	M	Issue No.	**158 (cont)**
LM End	**13.28**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °
				-121.299953 °	-121.299953 °
DWR ID	809				

Comment Code

Inspector Comment

FS_ID:40715
DS_ID:809
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 Drainange 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_SP_2019_40715_72551.jpg

View of waterward side, photo 1 of 2.

LM Start	**13.28**	Rating **	M	Issue No.	**158 (cont)**
LM End	**13.28**	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2019_40715_72549.jpg

View of waterward side, photo 2 of 2.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**14.20**	Rating **	M	Issue No.	**159**
LM End	**14.20**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.772267 °	37.772267 °
				-121.290202 °	-121.290202 °
DWR ID	69				

Comment Code

Inspector Comment

FS_ID:40716
DS_ID:69
EP_NO: 15165
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe.
FIELD_STRUCT_DESC: 20-inch steel irrigation pipe through the levee, 1.7-feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landside (LS) slope. (20-inch pipe authorized under Permit No. 15165, 1989 - Baird Lands, Inc., existing 18-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003]
FS Date: 2/4/2010

Photo 1 of 3 : UCIP_SP_2019_40716_72557.jpg

Overview of levee crown at crossing.

LM Start	**14.20**	Rating **	M	Issue No.	**159 (cont)**
LM End	**14.20**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_40716_72556.jpg

Pipe operable during survey.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/23/2019 04/23/2019	Alberto De Leon

LM Start	**14.20**	Rating **	M	Issue No.	**159 (cont)**
LM End	**14.20**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.772267 °	37.772267 °
				-121.290202 °	-121.290202 °
DWR ID	69				

Comment Code

Inspector Comment

FS_ID:40716
DS_ID:69
EP_NO: 15165
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe.
FIELD_STRUCT_DESC: 20-inch steel irrigation pipe through the levee, 1.7-feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landside (LS) slope. (20-inch pipe authorized under Permit No. 15165, 1989 - Baird Lands, Inc., existing 18-inch pipe removed) [Additional Reference(s): DWR Levee Logs, 1981 and 2003]
FS Date: 2/4/2010

Photo 3 of 3 : UCIP_SP_2019_40716_72555.jpg

Scour hole located immediately upstream from crossing.

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