

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

Rated Item	Maintenance Deficiency		Enforcement		Design & System Obsolescence			
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.01	0.04	0.38%				
Trim / Thin Trees	0.01		0.01	0.10%				
Encroachments					1.63	1.37		
Animal Control		0.01	0.04	0.38%				
Flood Preparedness & Training	0.10		0.10	0.96%				
<i>Supplemental</i>								
DWR Erosion Survey	0.02		0.02	0.19%				
DRAFT DWR UCIP Field Study					0.11	0.02		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.13	0.02	0.21	2.01% *	1.74	1.39	0.00	0.00

Rated Item	Maintenance Deficiency		Enforcement		Design & System Obsolescence			
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.01	0.04	0.38%				
Trim / Thin Trees	0.01		0.01	0.10%				
Encroachments					1.63	1.37		
Animal Control		0.01	0.04	0.38%				
<i>Supplemental</i>								
DWR Erosion Survey	0.02		0.02	0.19%				
DRAFT DWR UCIP Field Study					0.11	0.02		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.03	0.02	0.11	1.05% *	1.74	1.39	0.00	0.00

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

Reclamation District No. 2063 Crows Landing

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

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

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 2063 Crows Landing

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Right	10.44
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *
Date of Inspection	4/17/2019 - 4/17/2019		9/17/2019 - 9/17/2019
DWR Inspector	Corey Fujitani		Corey Fujitani
Accompanied By	Joe Sallaberry RD2063		Joe Sallaberry RD2063

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_RD2063_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_RD2063_01_f_2014_15				
Comment Code					
Inspector Comment					
The LMA maintains adequate flood fight supplies and equipment.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_RD2063_01_s_2013_21				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response, but has not been involved in flood fight training for several years.					

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	18
LM End	1.30	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.478705°	37.464660°	
			-121.044651°	-121.032946°	
DWR ID	DWR_RD2063_01_s_2012_18				
Comment Code					
DT : Ditch					
Inspector Comment					
Drainage ditch was part of the original levee construction. 10 ft of berm should exist between the levee toe and shoulder of the ditch.					

Photo 1 of 4 : FA_2019_RD2063_112_18_20190920_00119.jpg



Looking southeast at drainage ditch along landside toe. (Fall 2019)

LM Start	0.00	Rating **	M	Issue No.	18 (cont)
LM End	1.30	Issue Type +	En	Location *	LS

Photo 2 of 4 : FA_2019_RD2063_112_18_20190912_00001.jpg



Looking north at ditch on landside berm and toe.

LM Start	0.00	Rating **	M	Issue No.	18 (cont)
LM End	1.30	Issue Type +	En	Location *	LS

Photo 3 of 4 : FA_2019_RD2063_112_18_20190912_00002.jpg



Looking northeast at canal-ditch on landside berm.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	18 (cont)
LM End	1.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.478705°	37.464660°
				-121.044651°	-121.032946°
DWR ID	DWR_RD2063_01_s_2012_18				
Comment Code					
DT : Ditch					
Inspector Comment					
Drainage ditch was part of the original levee construction. 10 ft of berm should exist between the levee toe and shoulder of the ditch.					

Photo 4 of 4 : FA_2019_RD2063_112_18_20190912_00003.jpg



Looking south at canal-ditch at landside berm and toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	1.28	Rating **	M	Issue No.	56 (cont)
LM End	1.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.464839 °	37.464839 °
				-121.033270 °	-121.033270 °
DWR ID	22075				
Comment Code					
Inspector Comment					
<p>DS_ID:22075 FS_ID:50216 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/23/2016: Could not locate pipe during inspection, though it was very prominently visible on the WS bank and LS ditch as per 2013 photos. I confirmed with RD2063 president Joe Sallaberry that the pipe was filled with concrete through the levee but removed at the LS ditch. Could not locate pipe's ends during inspection. No permit exists for this work. Crossing has been downgraded from Urgent to Non-Urgent since we lack documentation verifying proper abandonment. (K. Fazel - DWR UCIP) 11/05/2013:- Pipe has visible holes throughout both and WS along with pipe deformation. - looks abandoned. Needs proper abandonment.- alfalfa valve on concrete pipe riser on waterside toe.- no slide gate found on waterside. No pump and pile structure found in river. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown, not found during 2016 inspection. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope, not found during 2016 inspection. Pipe supported on two timber pile bents across a drainage ditch on the landside (LS), only pile remnants found during 2016 inspection. Pump on a pile structure in the river, not found during 2016 inspection. Two concrete standpipes on the WS berm, one of which was found during the 2016 inspection. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.29)]. FS Date: 8/23/2016</p>					

Photo 3 of 3 : UCIP_FA_2019_50216_43160.jpg



WS view: concrete riser with alfalfa valve on levee berm.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	57
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.464357°	37.464357°
				-121.032670°	-121.032670°
DWR ID	22076				
Comment Code					
Inspector Comment					
DS_ID:22076 FS_ID:50218 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_50218_43204.jpg



WS view: two outfall CMP pipes on levee slope.

LM Start	1.32	Rating **	A/W	Issue No.	57 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_50218_43203.jpg



WS view: two outfall CMP pipes with flap gates on concrete headwall.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	57 (cont)
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.464357°	37.464357°
				-121.032670°	-121.032670°
DWR ID	22076				
Comment Code					
Inspector Comment					
DS_ID:22076 FS_ID:50218 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_50218_43202.jpg



WS view: two slide gates in CMP risers on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	58
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.464335°	37.464335°	
			-121.032664°	-121.032664°	
DWR ID	22119				
Comment Code					
Inspector Comment					
DS_ID:22119 FS_ID:50217 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_50217_43217.jpg



WS view: two CMP risers with slide gates on levee slope.

LM Start	1.32	Rating **	A/W	Issue No.	58 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_50217_43216.jpg



WS view: two CMP outfall pipes with flap gates on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	58 (cont)
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.464335 °	37.464335 °
				-121.032664 °	-121.032664 °
DWR ID	22119				
Comment Code					
Inspector Comment					
DS_ID:22119 FS_ID:50217 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_50217_43215.jpg



WS view: front view of two CMP outfall pipes with flap gates on levee slope.

LM Start	1.82	Rating **	M	Issue No.	38
LM End	1.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.457653 °	37.457653 °
				-121.033728 °	-121.033728 °
DWR ID	RD2063U01RM100.79				
Comment Code					
Inspector Comment					
Site ID: RD2063U01RM100.79 09/12/2019: Erosion has developed into the lower levee slope.					

Photo 1 of 3 : SJR2019_DWR_RD2063_01_s_2017_59_1.JPG



Looking down at the erosion pocket.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	1.82	Rating **	M	Issue No.	38 (cont)
LM End	1.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.457653°	37.457653°
				-121.033728°	-121.033728°
DWR ID	RD2063U01RM100.79				
Comment Code					
Inspector Comment					
Site ID: RD2063U01RM100.79 09/12/2019: Erosion has developed into the lower levee slope.					

Photo 2 of 3 : SJR2019_DWR_RD2063_01_s _ 2017_59_4.JPG



Close view of the erosion.

LM Start	1.82	Rating **	M	Issue No.	38 (cont)
LM End	1.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_RD2063_01_s _ 2017_59_2.JPG



Close-up view of the erosion.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.09	Rating **	M	Issue No.	59
LM End	2.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.454125°	37.454125°
				-121.032240°	-121.032240°
DWR ID	22078				
Comment Code					
Inspector Comment					
DS_ID:22078 FS_ID:24404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Concrete distribution box with alfalfa valve not found at the waterward toe. Two steel standpipes and dismantled concrete standpipe on waterside levee toe. Concrete distribution box 50 ft off the levee center. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Slide gate in a concrete distribution box, 50 feet off the levee. Underground irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.11)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_24404_43345.jpg



WS view: concrete box (top), and a dismantled concrete pipe on levee toe.

LM Start	2.09	Rating **	M	Issue No.	59 (cont)
LM End	2.09	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_24404_43344.jpg



WS view: a dismantled concrete pipe on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.09	Rating **	M	Issue No.	59 (cont)
LM End	2.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.454125°	37.454125°
				-121.032240°	-121.032240°
DWR ID	22078				
Comment Code					
Inspector Comment					
DS_ID:22078 FS_ID:24404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Concrete distribution box with alfalfa valve not found at the waterward toe. Two steel standpipes and dismantled concrete standpipe on waterside levee toe. Concrete distribution box 50 ft off the levee center. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Slide gate in a concrete distribution box, 50 feet off the levee. Underground irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.11)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_24404_43343.jpg



WS view: concrete distribution box with slide gate off the levee toe.

LM Start	2.27	Rating **	A/W	Issue No.	60
LM End	2.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.451946°	37.451946°
				-121.030672°	-121.030672°
DWR ID	22081				
Comment Code					
Inspector Comment					
DS_ID:22081 FS_ID:51823 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/05/2013 - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a concrete distribution box on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.29)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_51823_43348.jpg



WS view: concrete standpipe on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.35	Rating **	M	Issue No.	61
LM End	2.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.451311 °	37.451311 °
				-121.029322 °	-121.029322 °
DWR ID	22084				
Comment Code					
Inspector Comment					
DS_ID:22084 FS_ID:41551 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - removed and laying on the ground. Debris should be removed. FIELD_STRUCT_DESC: Concrete standpipe removed and laying on the ground on the waterward toe. FS Date: 11/5/2013					

No Photos

LM Start	2.43	Rating **	M	Issue No.	62
LM End	2.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.450330 °	37.450330 °
				-121.028674 °	-121.028674 °
DWR ID	22085				
Comment Code					
Inspector Comment					
DS_ID:22085 FS_ID:24427 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Abandoned steel pipe and service pole on waterside. Pump not found on river bank. CMP riser on waterside slope. Slide gate not found in CMP riser. Steel pipe riser on waterside berm. Damaged PVC standpipe on waterside slope. (P. Amaty - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. 20-inch standpipe 3 feet from the landside (LS) toe. 12-inch pipe across the berm and into a CMP riser on the WS slope. Pump on riverbank. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.46)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_24427_43439.jpg



WS view: abandoned steel pipe on river bank. No pump found on river bank.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.43	Rating **	M	Issue No.	62 (cont)
LM End	2.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.450330 °	37.450330 °
				-121.028674 °	-121.028674 °
DWR ID	22085				
Comment Code					
Inspector Comment					
DS_ID:22085 FS_ID:24427 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Abandoned steel pipe and service pole on waterside. Pump not found on river bank. CMP riser on waterside slope. Slide gate not found in CMP riser. Steel pipe riser on waterside berm. Damaged PVC standpipe on waterside slope. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. 20-inch standpipe 3 feet from the landside (LS) toe. 12-inch pipe across the berm and into a CMP riser on the WS slope. Pump on riverbank. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.46)]. FS Date: 11/5/2013					

Photo 2 of 3 : UCIP_FA_2019_24427_43438.jpg



WS view: abandoned power pole on levee berm.

LM Start	2.43	Rating **	M	Issue No.	62 (cont)
LM End	2.43	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_24427_43437.jpg



WS view: steel pipe and concrete riser on levee berm.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.62	Rating **	M	Issue No.	63 (cont)
LM End	2.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID	22086				
Comment Code					
Inspector Comment					
DS_ID:22086 FS_ID:24435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Both pipe ends 70 ft off the levee center. Clearing and cleaning of inlet/outlet pipe needed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_24435_43482.jpg



LS view: concrete headwall with CMP 70 ft off the levee center.

LM Start	2.68	Rating **	A/W	Issue No.	64
LM End	2.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.447475 °	37.447475 °
				-121.026017 °	-121.026017 °
DWR ID	22087				
Comment Code					
Inspector Comment					
DS_ID:22087 FS_ID:25023 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/05/2013 Both pipe ends about 85 feet off the levee center. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_25023_45102.jpg



WS view: U typed concrete headwall on river bank.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.68	Rating **	A/W	Issue No.	64 (cont)
LM End	2.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.447475°	37.447475°
				-121.026017°	-121.026017°
DWR ID	22087				
Comment Code					
Inspector Comment					
DS_ID:22087 FS_ID:25023 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/05/2013 Both pipe ends about 85 feet off the levee center. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)]. FS Date: 11/5/2013					

Photo 2 of 3 : UCIP_FA_2019_25023_45101.jpg



WS view: pipe, flap gate, and concrete headwall on river bank.

LM Start	2.68	Rating **	A/W	Issue No.	64 (cont)
LM End	2.68	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_25023_45100.jpg



LS view: pipe and concrete headwall off the levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	2.93	Rating **	M	Issue No.	65 (cont)
LM End	2.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.443871 °	37.443871 °
				-121.025775 °	-121.025775 °
DWR ID	22088				
Comment Code					
Inspector Comment					
DS_ID:22088 FS_ID:24443 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - clear and clean debris (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Pipe open on the landside (LS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.97)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_24443_43520.jpg



WS view: pipe, flap concrete headwall with soil debris blocking the inlet.

LM Start	3.20	Rating **	M	Issue No.	41
LM End	3.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.442213 °	37.441981 °
				-121.022135 °	-121.021775 °
DWR ID	DWR_RD2063_01_f_2018_41				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Farming equipment cutting into landside toe.					

Photo 1 of 1 : FA_2019_RD2063_112_41_20190912_00008.jpg



View of agricultural equipment cutting into the levee slope. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	3.29	Rating **	M	Issue No.	66
LM End	3.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.441213°	37.441213°
				-121.021130°	-121.021130°
DWR ID	22089				
Comment Code					
Inspector Comment					
DS_ID:22089 FS_ID:24469 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - cleaning required in inlet pipe.- new flap gate (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.33)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_24469_43645.jpg



WS view: U typed concrete headwall on levee toe

LM Start	3.29	Rating **	M	Issue No.	66 (cont)
LM End	3.29	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_24469_43644.jpg



WS view: new flap gate, and U typed concrete headwall.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	3.29	Rating **	M	Issue No.	66 (cont)
LM End	3.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.441213°	37.441213°
				-121.021130°	-121.021130°
DWR ID	22089				
Comment Code					
Inspector Comment					
DS_ID:22089 FS_ID:24469 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - cleaning required in inlet pipe.- new flap gate (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.33)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_24469_43643.jpg



LS view: CM pipe and concrete headwall on levee slope. Debris blocking inlet pipe.

LM Start	3.64	Rating **	M	Issue No.	67
LM End	3.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.436845°	37.436845°
				-121.017826°	-121.017826°
DWR ID	22093				
Comment Code					
Inspector Comment					
DS_ID:22093 FS_ID:24485 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - new flap gate on waterside.- cleaning and clearing of inlet box needed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_24485_43667.jpg



WS view: pipe, flap gate, and concrete saddle on levee slope

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.02	Rating **	A/W	Issue No.	68
LM End	4.02	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.432813°	37.432813°	
			-121.013419°	-121.013419°	
DWR ID	22096				
Comment Code					
Inspector Comment					
DS_ID:22096 FS_ID:51821 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_51821_43842.jpg



WS view: pipe, flap gate, and concrete headwall on drainage ditch.

LM Start	4.02	Rating **	A/W	Issue No.	68 (cont)
LM End	4.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_51821_43841.jpg



LS view: CM pipe and concrete headwall on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.02	Rating **	A/W	Issue No.	68 (cont)
LM End	4.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.432813°	37.432813°
				-121.013419°	-121.013419°
DWR ID	22096				
Comment Code					
Inspector Comment					
DS_ID:22096 FS_ID:51821 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_51821_43840.jpg



LS view: inside view of the CM pipe on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.10	Rating **	M	Issue No.	69
LM End	4.10	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.431846°	37.431846°	
			-121.012716°	-121.012716°	
DWR ID	22099				
Comment Code					
Inspector Comment					
DS_ID:22099 FS_ID:41746 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Need to determine if annular space has been grouted or if repair/sleeving was done in accordance with a permit or Title 23. Slide gate not found in CM pipe riser on the waterward slope. Dense vegetation on waterside. Pipe only visible in CMP riser on waterside slope. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Smaller pipe sleeved through the 24-inch pipe. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Connects to a concrete pipe irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.16)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_FA_2019_41746_43850.jpg



WS view: CMP riser on levee slope. Steel riser on top of CMP.

LM Start	4.10	Rating **	M	Issue No.	69 (cont)
LM End	4.10	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_41746_43849.jpg



WS view: inside view of CMP riser on levee slope. Steel pipe and 24" CMP visible inside the riser.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.10	Rating **	M	Issue No.	69 (cont)
LM End	4.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.431846°	37.431846°
				-121.012716°	-121.012716°
DWR ID	22099				
Comment Code					
Inspector Comment					
DS_ID:22099 FS_ID:41746 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Need to determine if annular space has been grouted or if repair/sleeving was done in accordance with a permit or Title 23. Slide gate not found in CM pipe riser on the waterward slope. Dense vegetation on waterside. Pipe only visible in CMP riser on waterside slope. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Smaller pipe sleeved through the 24-inch pipe. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Connects to a concrete pipe irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.16)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_FA_2019_41746_43848.jpg



LS view: discharge pipe and concrete distribution box on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.17	Rating **	M	Issue No.	70 (cont)
LM End	4.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.431029 °	37.431029 °
				-121.011865 °	-121.011865 °
DWR ID	24732				
Comment Code					
Inspector Comment					
DS_ID:24732 FS_ID:25025 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 - new pipe to pump.- overhead power line.- soil cover over the pipe seems not enough. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage discharge pipe through the levee, immediately beneath the crown. A thin layer of dirt acts as cover for the pipe. Pump house on a steel structure in a drainage ditch on the landside (LS). Pump house and pipe on the LS look new. Old wooden walkway to the pump house. Three new air vents on the waterside (WS). Pipe opens on the WS. Exposed old pipe on the WS. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_25025_45108.jpg



LS view: walkway to pump and pump house on levee slope.

LM Start	4.58	Rating **	M	Issue No.	71
LM End	4.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.429501 °	37.429501 °
				-121.005667 °	-121.005667 °
DWR ID	22103				
Comment Code					
Inspector Comment					
DS_ID:22103 FS_ID:25028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Leaky pipe joint on landside where pipe daylights. Power pole on waterside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump at the top of the riverbank. Gate valve on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. Pipe daylights halfway down the LS slope and empties into a concrete standpipe at the LS toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.65)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_25028_45125.jpg



WS view: overview of waterside- gate valve and power pole on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.58	Rating **	M	Issue No.	71 (cont)
LM End	4.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.429501 °	37.429501 °
				-121.005667 °	-121.005667 °
DWR ID	22103				
Comment Code					
Inspector Comment					
DS_ID:22103 FS_ID:25028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Leaky pipe joint on landside where pipe daylights. Power pole on waterside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump at the top of the riverbank. Gate valve on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. Pipe daylights halfway down the LS slope and empties into a concrete standpipe at the LS toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.65)]. FS Date: 11/6/2013					

Photo 2 of 3 : UCIP_FA_2019_25028_45124.jpg



WS view: pump, pipe and other appurtenances on levee toe.

LM Start	4.58	Rating **	M	Issue No.	71 (cont)
LM End	4.58	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_25028_45123.jpg



WS view: U type headwall and pump on river bank.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	4.60	Rating **	M	Issue No.	31
LM End	4.60	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.429638°	37.429638°	
			-121.005348°	-121.005348°	
DWR ID	DWR_RD2063_01_s_2012_31				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner planted grape vines and fruit trees and water tank on waterside berm without a permit from the CVFPB.					

Photo 1 of 3 : FA_2019_RD2063_112_31_20190912_00004.jpg



Looking west at water tank on waterward berm.

LM Start	4.60	Rating **	M	Issue No.	31 (cont)
LM End	4.60	Issue Type +	En	Location *	WS

Photo 2 of 3 : FA_2019_RD2063_112_31_20190912_00005.jpg



Looking south at grapevines and fruit trees on waterside berm.

LM Start	4.60	Rating **	M	Issue No.	31 (cont)
LM End	4.60	Issue Type +	En	Location *	WS

Photo 3 of 3 : FA_2019_RD2063_112_31_20190912_00006.jpg



Looking west at trees with retaining wall around trees. (Spring 2018)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	5.05	Rating **	M	Issue No.	72
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.427152°	37.427152°
				-120.999353°	-120.999353°
DWR ID	22105				
Comment Code					
Inspector Comment					
DS_ID:22105 FS_ID:41669 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Abandoned pipe should be done so properly.- rubber pipe attached to steel pipe on waterside.- a concrete standpipe on landside too.- overhead power line.- abandoned pipe and pile structure. Abandoned timber walkway on waterside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_41669_45131.jpg



WS view: CMP riser, abandoned walkway, power pole on levee slope.

LM Start	5.05	Rating **	M	Issue No.	72 (cont)
LM End	5.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_41669_45130.jpg



WS view: two gate valves inside CMP riser on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	5.05	Rating **	M	Issue No.	72 (cont)
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.427152°	37.427152°
				-120.999353°	-120.999353°
DWR ID	22105				
Comment Code					
Inspector Comment					
DS_ID:22105 FS_ID:41669 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Abandoned pipe should be done so properly.- rubber pipe attached to steel pipe on waterside.- a concrete standpipe on landside too.- overhead power line.- abandoned pipe and pile structure. Abandoned timber walkway on waterside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_41669_45129.jpg



WS view: abandoned walkway, pipe (left) and pump on floating structure in the river.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	5.05	Rating **	M	Issue No.	73
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.427143°	37.427143°	
			-120.999374°	-120.999374°	
DWR ID	22123				
Comment Code					
Inspector Comment					
DS_ID:22123 FS_ID:41670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Any abandoned pipes should be verified as having been abandoned properly. - abandoned walkway, pile structure and steel pipe.- concrete standpipe on landside toe.- overhead power line. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_41670_43905.jpg



WS view: CMP riser, abandoned walkway, power pole on levee slope.

LM Start	5.05	Rating **	M	Issue No.	73 (cont)
LM End	5.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_41670_43904.jpg



WS view: two gate valves inside CMP riser on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	5.05	Rating **	M	Issue No.	73 (cont)
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.427143°	37.427143°
				-120.999374°	-120.999374°
DWR ID	22123				
Comment Code					
Inspector Comment					
DS_ID:22123 FS_ID:41670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Any abandoned pipes should be verified as having been abandoned properly. - abandoned walkway, pile structure and steel pipe.- concrete standpipe on landside toe.- overhead power line. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_41670_43903.jpg



WS view: abandoned steel pipe (right), rubber pipe attached to steel pipe to pump on floating structure in the river.

LM Start	5.81	Rating **	M	Issue No.	48
LM End	5.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.418160°	37.416898°
				-120.997686°	-120.997409°
DWR ID	DWR_RD2063_01_f_2018_48				
Comment Code					
DT : Ditch					
Inspector Comment					
There is a small ditch running along the landside toe.					

Photo 1 of 1 : FA_2019_RD2063_112_48_20190912_00010.jpg



View of ditch along levee toe. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	6.01	Rating **	C	Issue No.	40
LM End	6.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.415710 °	37.415710 °
				-120.998530 °	-120.998530 °
DWR ID	DWR_RD2063_01_s_2019_40				
Comment Code					
Inspector Comment					
Concrete revetment with rebar should be removed.					

No Photos

LM Start	6.20	Rating **	M	Issue No.	49
LM End	6.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.414171 °	37.414171 °
				-121.001353 °	-121.001353 °
DWR ID	DWR_RD2063_01_s_2019_49				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : FA_2019_RD2063_112_49_20190912_00011.jpg



View of prunings looking down landside slope. (Spring 2019)

LM Start	6.20	Rating **	M	Issue No.	49 (cont)
LM End	6.20	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_RD2063_112_49_20190912_00012.jpg



View of prunings piled under a tree on landside toe. (Spring 2019)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	6.21	Rating **	M	Issue No.	42
LM End	6.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.414133°	37.414133°
				-121.001380°	-121.001380°
DWR ID	DWR_RD2063_01_f_2019_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2063_112_42_20190920_00111.jpg



Tree on landside toe should be trimmed. (2019)

LM Start	6.53	Rating **	M	Issue No.	74
LM End	6.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.411347°	37.411347°
				-120.998063°	-120.998063°
DWR ID	22108				
Comment Code					
Inspector Comment					
DS_ID:22108 FS_ID:24628 EP_NO: 4062 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Abandoned pipe also found adjacent to this pipe. Needs proper abandonment. Soil erosion under pipe on waterside. No pipe visible on landside. Overhead powerline. (P. Amaty - DWR UCIP) FIELD_STRUCT_DESC: 12-inch polyvinyl chloride (PVC) irrigation discharge pipe through the levee, 3 feet below the crown. Floating pump in the river. Gate valve and air vent on the waterside (WS) berm. Service pole with overhead line on the WS shoulder. (pump with discharge pipe through the levee authorized under Permit No. 4062, 1962 - John W. Greer). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_24628_43938.jpg



WS view: steel pipe, gate valve, air vent on levee berm.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	6.53	Rating **	M	Issue No.	74 (cont)
LM End	6.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.411347°	37.411347°
				-120.998063°	-120.998063°
DWR ID	22108				
Comment Code					
Inspector Comment					
DS_ID:22108 FS_ID:24628 EP_NO: 4062 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Abandoned pipe also found adjacent to this pipe. Needs proper abandonment. Soil erosion under pipe on waterside. No pipe visible on landside. Overhead powerline. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 12-inch polyvinyl chloride (PVC) irrigation discharge pipe through the levee, 3 feet below the crown. Floating pump in the river. Gate valve and air vent on the waterside (WS) berm. Service pole with overhead line on the WS shoulder. (pump with discharge pipe through the levee authorized under Permit No. 4062, 1962 - John W. Greer). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 11/6/2013					

Photo 2 of 3 : UCIP_FA_2019_24628_43937.jpg



WS view: pump on floating structure in the stream.

LM Start	6.53	Rating **	M	Issue No.	74 (cont)
LM End	6.53	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_24628_43936.jpg



WS view: exposed pipe on levee slope. Erosion under the pipe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	6.96	Rating **	M	Issue No.	75 (cont)
LM End	6.96	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.409073 °	37.409073 °	
			-120.992041 °	-120.992041 °	
DWR ID	22109				
Comment Code					
Inspector Comment					
DS_ID:22109 FS_ID:24629 EP_NO: 13541 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 - erosion around CMP riser on waterside- no U type headwall found on landside.- no pipe found on landside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump on the riverbank. Gate valve in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. Installed by USACE in 1961. (Plans to construct an elevated platform and replace a centrifugal pump with a new vertical pump on the riverbank authorized under Permit No. 13541, 1982 - Joaquin Cabral, 12-inch pipe referenced). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.08), 10-inch pipe referenced]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_24629_43944.jpg



WS view: gate valve in CMP riser. Soil erosion around CMP riser.

LM Start	7.23	Rating **	M	Issue No.	51
LM End	7.37	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.405728 °	37.404261 °	
			-120.990284 °	-120.988503 °	
DWR ID	DWR_RD2063_01_f_2018_51				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Repair damage to landside toe from agricultural tilling.					

Photo 1 of 1 : FA_2019_RD2063_112_51_20190912_00013.jpg



View of cut into levee slope from agricultural equipment. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	7.48	Rating **	A/W	Issue No.	76 (cont)
LM End	7.48	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.404195°	37.404195°	
			-120.986709°	-120.986709°	
DWR ID	22110				
Comment Code					
Inspector Comment					
DS_ID:22110 FS_ID:24632 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/06/2013 No pipe visible on landside. Flap gate not found on the waterside end. Concrete "U" headwalls not found on ends of pipe. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.61)]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_24632_43951.jpg



LS view: concrete distribution box on levee toe. Pump on the box discharges water into irrigation ditch.

LM Start	7.50	Rating **	M	Issue No.	77
LM End	7.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.404130°	37.404130°	
			-120.986454°	-120.986454°	
DWR ID	22111				
Comment Code					
Inspector Comment					
DS_ID:22111 FS_ID:25031 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side. Looks abandoned. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete encased steel drainage discharge pipe through the levee, 7 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe open on both ends. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.62), 10-inch pipe referenced]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_25031_45141.jpg



WS view: CMP riser with slide gate. Missing slide gate handwheel.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	7.73	Rating **	U	Issue No.	52
LM End	8.15	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.401878 °	37.400837 °	
			-120.983294 °	-120.976198 °	
DWR ID	DWR_RD2063_01_f_2018_52				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner planted corn in levee toe up to the slope.					

Photo 1 of 1 : FA_2019_RD2063_112_52_20190912_00014.jpg



View of corn planted in levee toe right up to the landside slope. (Fall 2018)

LM Start	7.86	Rating **	U	Issue No.	43
LM End	7.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.400910 °	37.400910 °	
			-120.981342 °	-120.981342 °	
DWR ID	DWR_RD2063_01_f_2019_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2063_112_43_20190920_00113.jpg



Vegetation along landside slope looking upstream. (Fall 2019)

LM Start	8.06	Rating **	U	Issue No.	45
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.401283 °	37.401283 °	
			-120.977668 °	-120.977668 °	
DWR ID	DWR_RD2063_01_f_2019_45				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA has caught the animal. Repairs are planned.					

Photo 1 of 2 : FA_2019_RD2063_112_45_20190920_00114.jpg



View of animal burrow in landside slope. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.06	Rating **	U	Issue No.	45 (cont)
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.401283°	37.401283°
				-120.977668°	-120.977668°
DWR ID	DWR_RD2063_01_f_2019_45				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA has caught the animal. Repairs are planned.					

Photo 2 of 2 : FA_2019_RD2063_112_45_20190920_00116.jpg



View of animal burrow in landside slope. (Fall 2019)

LM Start	8.46	Rating **	M	Issue No.	78
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.397883°	37.397883°
				-120.972342°	-120.972342°
DWR ID	22124				
Comment Code					
Inspector Comment					
DS_ID:22124 FS_ID:24651 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection.- blocked siphon breaker. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_24651_44005.jpg



WS view: two siphon breakers in CMP risers on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	78 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.397883°	37.397883°
				-120.972342°	-120.972342°
DWR ID	22124				
Comment Code					
Inspector Comment					
DS_ID:22124 FS_ID:24651 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection.- blocked siphon breaker. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 2 of 3 : UCIP_FA_2019_24651_44004.jpg



WS view: two flap gates on outfall pipe ends.

LM Start	8.46	Rating **	M	Issue No.	78 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_24651_44003.jpg



LS view: pipes under walkway to pump house.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	79
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.397872°	37.397872°	
			-120.972336°	-120.972336°	
DWR ID	22112				
Comment Code					
Inspector Comment					
DS_ID:22112 FS_ID:24652 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection.- blocked siphon breaker. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_24652_44008.jpg



WS view: two siphon breakers in CMP risers on levee slope.

LM Start	8.46	Rating **	M	Issue No.	79 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_24652_44007.jpg



WS view: two flap gates on outfall pipe ends.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	80
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.397865 °	37.397865 °	
			-120.972332 °	-120.972332 °	
DWR ID	22113				
Comment Code					
Inspector Comment					
DS_ID:22113 FS_ID:24650 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 Working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_24650_44002.jpg



WS view: two flap gates on outfall pipe ends.

LM Start	8.46	Rating **	A/W	Issue No.	80 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_24650_44001.jpg



WS view: two slide gates in CMP risers on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	80 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.397865°	37.397865°
				-120.972332°	-120.972332°
DWR ID	22113				
Comment Code					
Inspector Comment					
DS_ID:22113 FS_ID:24650 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 Working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_24650_44000.jpg



LS view: drainage pipes under walkway in drainage ditch.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	81
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.397850°	37.397850°	
			-120.972322°	-120.972322°	
DWR ID	22125				
Comment Code					
Inspector Comment					
DS_ID:22125 FS_ID:24636 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_24636_43965.jpg



WS view: two slide gates in CMP risers on levee slope

LM Start	8.46	Rating **	A/W	Issue No.	81 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_24636_43964.jpg



WS view: two flap gates on outfall pipe ends.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	81 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.397850°	37.397850°
				-120.972322°	-120.972322°
DWR ID	22125				
Comment Code					
Inspector Comment					
DS_ID:22125 FS_ID:24636 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_FA_2019_24636_43963.jpg



LS view: drainage pipes under walkway in drainage ditch.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	9.05	Rating **	A/W	Issue No.	82
LM End	9.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.390804 °	37.390804 °
				-120.966394 °	-120.966394 °
DWR ID	22114				
Comment Code					
Inspector Comment					
DS_ID:22114 FS_ID:24638 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/06/2013 Flap gate and concrete "U" headwall not visible due to dense vegetation on waterside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate, concrete U-shaped headwall, and 7-foot-long grouted spillway on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.21)]. FS Date: 11/6/2013					

Photo 1 of 2 : UCIP_FA_2019_24638_43967.jpg



WS view: concrete headwall on levee end. Slide gate on pipe end.

LM Start	9.05	Rating **	A/W	Issue No.	82 (cont)
LM End	9.05	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_24638_43966.jpg



WS view: close view of slide gate on pipe end.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	9.06	Rating **	M	Issue No.	46
LM End	9.11	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.390852 °	37.390787 °	
			-120.966220 °	-120.965460 °	
DWR ID	DWR_RD2063_01_f_2019_46				
Comment Code					
DT : Ditch					
Inspector Comment					
Landowner has dug a small ditch along the landside toe.					

Photo 1 of 1 : FA_2019_RD2063_112_46_20190920_00117.jpg



Small ditch dug along landside toe. (Fall 2019)

LM Start	9.46	Rating **	U	Issue No.	55
LM End	10.41	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.390683 °	37.390503 °	
			-120.959037 °	-120.941741 °	
DWR ID	DWR_RD2063_01_s_2019_55				
Comment Code					
CR : Crops					
Inspector Comment					
Crops planted on landside toe right up against the slope. Landowner claims levee was constructed 22 ft too far into his property according to his survey.					

Photo 1 of 2 : FA_2019_RD2063_112_55_20190920_00118.jpg



View of landside slope looking upstream. (Fall 2019)

LM Start	9.46	Rating **	U	Issue No.	55 (cont)
LM End	10.41	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_RD2063_112_55_20190912_00017.jpg



Crops planted on landside toe up against the slope. (Spring 2019)

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	9.50	Rating **	A/W	Issue No.	83
LM End	9.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.390682°	37.390682°	
			-120.958287°	-120.958287°	
DWR ID	22115				
Comment Code					
Inspector Comment					
DS_ID:22115 FS_ID:51825 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)]. FS Date: 4/11/2017					

Photo 1 of 3 : UCIP_FA_2019_51825_77044.jpg



LS inlet as of 4/11/2017 levee inspection. Photo courtesy of DWR inspector Richard Willoughby.

LM Start	9.50	Rating **	A/W	Issue No.	83 (cont)
LM End	9.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_51825_43983.jpg



WS view: U type headwall and flap gate visible on the bank of the water channel.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	9.50	Rating **	A/W	Issue No.	83 (cont)
LM End	9.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.390682°	37.390682°
				-120.958287°	-120.958287°
DWR ID	22115				
Comment Code					
Inspector Comment					
DS_ID:22115 FS_ID:51825 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)]. FS Date: 4/11/2017					

Photo 3 of 3 : UCIP_FA_2019_51825_43982.jpg



LS view: concrete headwall on levee end. Pipe opening blocked by plywood.

LM Start	9.94	Rating **	A/W	Issue No.	84
LM End	9.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.390563°	37.390563°
				-120.950329°	-120.950329°
DWR ID	22116				
Comment Code					
Inspector Comment					
DS_ID:22116 FS_ID:24644 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/06/2013 - not very old structure. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_FA_2019_24644_43986.jpg



WS view: CM pipe on outlet concrete box.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	9.94	Rating **	A/W	Issue No.	84 (cont)
LM End	9.94	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.390563°	37.390563°	
			-120.950329°	-120.950329°	
DWR ID	22116				
Comment Code					
Inspector Comment					
DS_ID:22116 FS_ID:24644 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/06/2013 - not very old structure. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)]. FS Date: 11/6/2013					

Photo 2 of 3 : UCIP_FA_2019_24644_43985.jpg



LS view: CM pipe with slide gate on inlet concrete box.

LM Start	9.94	Rating **	A/W	Issue No.	84 (cont)
LM End	9.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_24644_43984.jpg



LS view: inside view of slide gate in concrete box.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	10.20	Rating **	U	Issue No.	86
LM End	10.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.390517°	37.390517°
				-120.945659°	-120.945659°
DWR ID	22074				
Comment Code					
Inspector Comment					
<p>DS_ID:22074 FS_ID:53095 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/19/2018 Pipe size was field measured and confirmed to be 16 inches. Unable to find any records indicating authorization for this crossing. This crossing appears to be an unauthorized encroachment. Need to contact owner to find out if crossing was authorized through the CVFPB. Surface erosion appears to have gotten worse since last inspection. Levee height at this crossing location is about 5 to 6 feet tall. Outstanding issues that need to be addressed with the CVFPB and owner for this crossing include: crossing appears to an unauthorized encroachment through the levee and surface erosion has increased on LS slope. Crossing remains Urgent due to the increase surface erosion on the LS. (O. Magana - DWR UCIP)09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show a metal cover has been added to landside (LS). The waterside (WS) pipe side remains open. This crossing remains urgent due to the WS end of the pipe open. Other issues with this crossing include compliance issues per Title 23. No permit was found authorizing this crossing. (DWR UCIP - O. Magana)08/23/2016 Same as last inspection. Recommend LMA contact owner to bring crossing into compliance per Title 23. (K. Fazel - UCIP)11/06/2013 Pipe opens on both sides of the levee. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch polyvinyl chloride (PVC) gravity drainage pipe through the levee, 3.5 feet below the crown. Pipe open on both ends. This crossing was field discovered. FS Date: 10/19/2018 11:00:00 AM</p>					

Photo 1 of 3 : UCIP_FA_2019_53095_43990.jpg



WS view: PVC pipe with open end on levee slope.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	10.20	Rating **	U	Issue No.	86 (cont)
LM End	10.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.390517°	37.390517°
				-120.945659°	-120.945659°
DWR ID	22074				
Comment Code					
Inspector Comment					
<p>DS_ID:22074 FS_ID:53095 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/19/2018 Pipe size was field measured and confirmed to be 16 inches. Unable to find any records indicating authorization for this crossing. This crossing appears to be an unauthorized encroachment. Need to contact owner to find out if crossing was authorized through the CVFPB. Surface erosion appears to have gotten worse since last inspection. Levee height at this crossing location is about 5 to 6 feet tall. Outstanding issues that need to be addressed with the CVFPB and owner for this crossing include: crossing appears to an unauthorized encroachment through the levee and surface erosion has increased on LS slope. Crossing remains Urgent due to the increase surface erosion on the LS. (O. Magana - DWR UCIP)09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show a metal cover has been added to landside (LS). The waterside (WS) pipe side remains open. This crossing remains urgent due to the WS end of the pipe open. Other issues with this crossing include compliance issues per Title 23. No permit was found authorizing this crossing. (DWR UCIP - O. Magana)08/23/2016 Same as last inspection. Recommend LMA contact owner to bring crossing into compliance per Title 23. (K. Fazel - UCIP)11/06/2013 Pipe opens on both sides of the levee. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch polyvinyl chloride (PVC) gravity drainage pipe through the levee, 3.5 feet below the crown. Pipe open on both ends. This crossing was field discovered. FS Date: 10/19/2018 11:00:00 AM</p>					

Photo 2 of 3 : UCIP_FA_2019_53095_43989.jpg



LS view: PVC pipe with open end on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	10.20	Rating **	U	Issue No.	87
LM End	10.20	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.390534 °	37.390534 °	
			-120.945514 °	-120.945514 °	
DWR ID	24731				

Comment Code

Inspector Comment

DS_ID:24731
 FS_ID:53096
 EP_NO: 11631
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 10/19/2018 Pipe size was field measured and updated to a 12-inch pipe instead of an 8-inch pipe as previously reported. Additional notes found in permit file indicate that a 10-inch to 12-inch corrugated metal pipe (CMP) was authorized in 1976 and a USACE letter showed no objection for approval of Application No. 11631. Inspector's notes from 7/27/1976 indicate that a new 12-inch steel, coated and wrapped, with 6 feet of cover at the levee centerline was installed. This means that the 12-inch PVC is a pipe replacement. Need to contact owner to find out if the new pipe replacement was authorized through the CVFPB. Erosion is still visible on the LS slope near the concrete headwall. Levee height at this crossing location is about 6-feet tall. Unable to find the WS outlet due to dense vegetation. Need to address the following outstanding issues with the CVFPB and the owner for this crossing: pipe replacement without proper CVFPB documentation, dense vegetation on the WS slope, and erosion is still present on the LS toe near the headwall. Crossing remains Urgent due to the LS erosion behind the headwall. (O. Magana - DWR UCIP)
 09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show erosion behind wing wall on LS and WS pipe end still remains opened. Pipe still needs to conform with Title 23. Crossing has been upgraded from Non-Urgent to Urgent, crossing remains opened on the WS. Unable to find permit authorizing pipe replacement through the levee. (DWR UCIP - O. Magana)
 08/23/2016 Same as last inspection. Pipe looks to be relatively newer than 1976. Appears there is no permit for this newer PVC pipe so recommend LMA contact owner to bring crossing into compliance with Title 23. Crossing has been upgraded from No Action Needed to Non-Urgent. (K. Fazel - UCIP)11/05/2013: Pipe not visible on waterside. Dense vegetation on waterside. (P. Amatya - DWR)
 FIELD_STRUCT_DESC: 12-inch polyvinyl chloride (PVC) gravity drainage pipe (field measured) through the levee, 4 feet below the crown. Metal slide gate in a concrete U-shaped headwall on the landside (LS). (12-inch drainage pipe through the levee and into project ditch on the riverbank authorized under Permit No. 11631, 1976 - A. W. Barcellos).
 FS Date: 10/19/2018 11:09:00 AM

Photo 1 of 3 : UCIP_FA_2019_53096_43993.jpg



LS view: U type concrete headwall, slide gate, and pipe on levee toe.

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	09/17/2019 09/17/2019	Corey Fujitani

LM Start	10.42	Rating **	M	Issue No.	54
LM End	10.42	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.390520°	37.390520°	
			-120.941525°	-120.941525°	
DWR ID	DWR_RD2063_01_f_2018_54				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner added fill widening levee and bypassing levee gate. Block access to levee from unauthorized traffic.					

Photo 1 of 1 : FA_2019_RD2063_112_54_20190912_00015.jpg



View of unpermitted ramp coming off of street. (Fall 2018)

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