

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 Levee Maintenance Deficiency Summary Report  
Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

<b>RD2063</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2063 Crows Landing</b>	<b>A</b>	<b>10.44</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01	1.28		
Animal Control	0.01		0.01	0.10%				
Erosion / Bank Caving	0.05		0.05	0.48%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.19	0.02		
<i>LMA Totals:</i>	0.06	0.00	0.06	0.58%	0.20	1.30	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2015 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)			<b>A</b>	

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2015 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)			A	
Date of Inspection	05/12/2015 - 05/12/2015		10/01/2015 - 10/01/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River			Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

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

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>15</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2063_01_f_2014_15				
Action/Comments					
Inspector Comments: The LMA maintains adequate flood fight supplies and equipment.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>21</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2063_01_s_2013_21				
Action/Comments					
Inspector Comments: The LMA is prepared for flood response.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>0.01</b>	Rating **	C	Issue No.	<b>27</b>
LM End	<b>10.40</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.478842 °	37.390455 °
				-121.044627 °	-120.941945 °
DWR ID	DWR_RD2063_01_s_2012_27				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	<b>0.01</b>	Rating **	A/W	Issue No.	<b>3</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.478550 °	37.471548 °
				-121.044603 °	-121.044553 °
DWR ID	DWR_RD2063_01_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 2 : FA\_2015\_RD2063\_112\_3\_20150914\_00001.jpg



Looking south at typical view of waterside and landside slopes.

LM Start	<b>0.01</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2015\_RD2063\_112\_3\_20151005\_00032.jpg



Looking at typical view of levee slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>0.01</b>	Rating **	A/W	Issue No.	<b>2</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.478548 °	37.471545 °
				-121.044605 °	-121.044553 °
DWR ID	DWR_RD2063_01_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>18</b>
LM End	<b>1.30</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.478470 °	37.464660 °
				-121.044598 °	-121.032946 °
DWR ID	DWR_RD2063_01_s_2012_18				
Action/Comments					
Ditch Inspector Comments: Ditch on landside has encroached into the berm and toe of the levee.					

Photo 1 of 3 : FA\_2015\_RD2063\_112\_18\_20150914\_00005.jpg



Looking north at ditch on landside berm and toe.

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>18 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA\_2015\_RD2063\_112\_18\_20150914\_00006.jpg



Looking northeast at canal-ditch on landside berm.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>18 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.478470 °	37.464660 °
				-121.044598 °	-121.032946 °
DWR ID	DWR_RD2063_01_s_2012_18				
Action/Comments					
Ditch Inspector Comments: Ditch on landside has encroached into the berm and toe of the levee.					

Photo 3 of 3 : FA\_2015\_RD2063\_112\_18\_20150914\_00007.jpg



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

LM Start	<b>1.27</b>	Rating **	U	Issue No.	<b>983</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.464839 °	37.464839 °
				-121.033270 °	-121.033270 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41588 DS_ID:22075 EP_NO: N/A FS_HLM: 1.296 Repair Type: Urgent Crossing Status: Found UCIP Comments: - Pipe has visible holes throughout both LS 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Pipe supported on two timber pile bents across drain ditch on the landward side. Two concrete standpipes on berm. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2128.jpg



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

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	1.27	Rating **	U	Issue No.	983 (cont)
LM End	1.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.464839 °	37.464839 °
				-121.033270 °	-121.033270 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41588 DS_ID:22075 EP_NO: N/A FS_HLM: 1.296 Repair Type: Urgent Crossing Status: Found UCIP Comments: - Pipe has visible holes throughout both LS 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. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Pipe supported on two timber pile bents across drain ditch on the landward side. Two concrete standpipes on berm. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2130.jpg



WS view: steel pipe immersed into the river. No pump found.

LM Start	1.27	Rating **	U	Issue No.	983 (cont)
LM End	1.27	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_2131.jpg



WS view: abandoned concrete standpipe and abandoned power pole.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>1.38</b>	Rating **	A/W	Issue No.	<b>36</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.463582 °	37.463582 °	
			-121.032263 °	-121.032263 °	
DWR ID	DWR_RD2063_01_s_2013_36				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>1.54</b>	Rating **	A/W	Issue No.	<b>4</b>
LM End	<b>1.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.461322 °	37.461322 °	
			-121.031785 °	-121.031785 °	
DWR ID	DWR_RD2063_01_s_2012_4				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>1.65</b>	Rating **	A/W	Issue No.	<b>11</b>
LM End	<b>1.65</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.459813 °	37.459813 °	
			-121.032372 °	-121.032372 °	
DWR ID	DWR_RD2063_01_s_2012_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA has rodent control program and has grouted holes at this site. But should be monitored.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>984</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.454125 °	37.454125 °
				-121.032240 °	-121.032240 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24404 DS_ID:22078 EP_NO: N/A FS_HLM: 2.125 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 30-inch CM pipe through the levee 16.5 feet below the crown. Slide gate in concrete distribution box 50 ft off the levee. Underground irrigation system. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2132.jpg



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

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2133.jpg



WS view: a dismantled concrete pipe on levee toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.454125 °	37.454125 °
				-121.032240 °	-121.032240 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24404 DS_ID:22078 EP_NO: N/A FS_HLM: 2.125 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2134.jpg



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

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>985</b>
LM End	<b>2.35</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.451311 °	37.451311 °
				-121.029322 °	-121.029322 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41551 DS_ID:22084 EP_NO: N/A FS_HLM: 2.39 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: 11/05/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>986</b>
LM End	<b>2.43</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.450330 °	37.450330 °
				-121.028674 °	-121.028674 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24427 DS_ID:22085 EP_NO: N/A FS_HLM: 2.4681 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through the levee 10.0 feet below the crown. 20-inch standpipe 3.0 feet from the landward toe. 12-inch pipe across the berm and into CMP riser on the waterward slope. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2135.jpg



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

Photo 2 of 3 : UCIP\_FA\_2015\_2136.jpg



WS view: abandoned power pole on levee berm.

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>2.43</b>	Issue Type +	En	Location *	LS

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>2.43</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.450330 °	37.450330 °
				-121.028674 °	-121.028674 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24427 DS_ID:22085 EP_NO: N/A FS_HLM: 2.4681 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2694.jpg



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

LM Start	<b>2.62</b>	Rating **	M	Issue No.	<b>987</b>
LM End	<b>2.62</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24435 DS_ID:22086 EP_NO: N/A FS_HLM: 2.6599 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Both pipe ends 70 ft off the levee center. Clearing and cleaning of inlet/outlet pipe needed. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2695.jpg



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

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.62</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>2.62</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:24435  
 DS\_ID:22086  
 EP\_NO: N/A  
 FS\_HLM: 2.6599  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Both pipe ends 70 ft off the levee center. Clearing and cleaning of inlet/outlet pipe needed.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.  
 FS Date: 11/05/2013

LM Start	<b>2.62</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>2.62</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2696.jpg



WS view: U shaped headwall outlet structure and pipe with flap gate.

Photo 3 of 3 : UCIP\_FA\_2015\_2697.jpg



WS view: U shaped headwall outlet structure 70 ft off the levee center.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.67</b>	Rating **	A/W	Issue No.	<b>982</b>
LM End	<b>2.74</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.447512 °	37.446574 °
				-121.026050 °	-121.025643 °
DWR ID	DWR_RD2063_01_s_2012_982				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					

No Photos

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>988</b>
LM End	<b>2.93</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.443871 °	37.443871 °
				-121.025775 °	-121.025775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24443 DS_ID:22088 EP_NO: N/A FS_HLM: 2.9777 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - clear and clean debris FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through the levee 9.5 feet below the crown. Flap gate on the waterward end. Pipe open on landward end. Concrete headwall on both ends. O&M Manual SJR 006, Sept. 1961 FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2698.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>988 (cont)</b>
LM End	<b>2.93</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.443871 °	37.443871 °
				-121.025775 °	-121.025775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24443 DS_ID:22088 EP_NO: N/A FS_HLM: 2.9777 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - clear and clean debris FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through the levee 9.5 feet below the crown. Flap gate on the waterward end. Pipe open on landward end. Concrete headwall on both ends. O&M Manual SJR 006, Sept. 1961 FS Date: 11/05/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2699.jpg



WS view: pipe, flap gate, and concrete headwall with debris blocking the outlet.

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>988 (cont)</b>
LM End	<b>2.93</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_2700.jpg



WS view: U typed concrete headwall on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>3.14</b>	Rating **	A/W	Issue No.	<b>37</b>
LM End	<b>3.14</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.442400 °	37.442400 °
				-121.023095 °	-121.023095 °
DWR ID	DWR_RD2063_01_s_2013_37				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>3.29</b>	Rating **	M	Issue No.	<b>989</b>
LM End	<b>3.29</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.441213 °	37.441213 °
				-121.021130 °	-121.021130 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24469 DS_ID:22089 EP_NO: N/A FS_HLM: 3.3402 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - cleaning required in inlet pipe.- new flap gate FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.5 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2701.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>3.29</b>	Rating **	M	Issue No.	<b>989 (cont)</b>
LM End	<b>3.29</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.441213 °	37.441213 °
				-121.021130 °	-121.021130 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:24469 DS_ID:22089 EP_NO: N/A FS_HLM: 3.3402 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - cleaning required in inlet pipe.- new flap gate FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.5 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_2702.jpg



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

LM Start	<b>3.29</b>	Rating **	M	Issue No.	<b>989 (cont)</b>
LM End	<b>3.29</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_2703.jpg



WS view: U typed concrete headwall on levee toe

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>3.35</b>	Rating **	A/W	Issue No.	<b>38</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.440438 °	37.436906 °	
			-121.020487 °	-121.017835 °	
DWR ID	DWR_RD2063_01_f_2012_38				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control Johnson grass at landward toe.					

Photo 1 of 1 : FA\_2015\_RD2063\_112\_38\_20150914\_00011.jpg



Looking south at vegetation at landward toe.

LM Start	<b>3.49</b>	Rating **	M	Issue No.	<b>53</b>
LM End	<b>3.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.438697 °	37.438697 °	
			-121.019232 °	-121.019232 °	
DWR ID	DWR_RD2063_01_f_2014_53				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2015\_RD2063\_112\_53\_20150914\_00013.jpg



Looking north at typical view of rodent holes on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>990</b>
LM End	<b>3.64</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.436845 °	37.436845 °
				-121.017826 °	-121.017826 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:24485  
 DS\_ID:22093  
 EP\_NO: N/A  
 FS\_HLM: 3.6979  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate and concrete saddle on the waterward end. Concrete drop inlet box on landward side. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.  
 FS Date: 11/05/2013

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>990 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_FA\_2015\_2704.jpg



LS view: concrete drop inlet box on levee toe.

Photo 2 of 3 : UCIP\_FA\_2015\_2705.jpg



LS view: inside view of inlet box on levee toe. Debris blocking inlet pipe.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>990 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.436845 °	37.436845 °
				-121.017826 °	-121.017826 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24485 DS_ID:22093 EP_NO: N/A FS_HLM: 3.6979 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2706.jpg



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

LM Start	<b>3.71</b>	Rating **	A/W	Issue No.	<b>29</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.436197 °	37.435732 °
				-121.016937 °	-121.016090 °
DWR ID	DWR_RD2063_01_s_2012_29				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2015\_RD2063\_112\_29\_20150914\_00008.jpg



Looking at typical view of a squirrel hole on landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>991</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.432813 °	37.432813 °
				-121.013419 °	-121.013419 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:24583  
 DS\_ID:22096  
 EP\_NO: N/A  
 FS\_HLM: 4.0838  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - new flap gate on waterside.- cleaning of outlet and inlet pipes required.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterwad end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961  
 FS Date: 11/05/2013

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>991 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_1340.jpg



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

Photo 2 of 3 : UCIP\_FA\_2015\_1341.jpg



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

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>991 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.432813 °	37.432813 °
				-121.013419 °	-121.013419 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24583 DS_ID:22096 EP_NO: N/A FS_HLM: 4.0838 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_1357.jpg



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

LM Start	<b>4.10</b>	Rating **	M	Issue No.	<b>992</b>
LM End	<b>4.10</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.431846 °	37.431846 °
				-121.012716 °	-121.012716 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41746 DS_ID:22099 EP_NO: N/A FS_HLM: 4.164 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: A smaller pipe sleeved into 24-inch CM pipe. 24-inch pipe through the levee 10.0 feet below the crown. Connects to concrete pipe irrigation system. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_1358.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	4.10	Rating **	M	Issue No.	992 (cont)
LM End	4.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.431846 °	37.431846 °
				-121.012716 °	-121.012716 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41746 DS_ID:22099 EP_NO: N/A FS_HLM: 4.164 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: A smaller pipe sleeved into 24-inch CM pipe. 24-inch pipe through the levee 10.0 feet below the crown. Connects to concrete pipe irrigation system. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/05/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_1359.jpg



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

LM Start	4.10	Rating **	M	Issue No.	992 (cont)
LM End	4.10	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_1360.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>993</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.431029 °	37.431029 °
				-121.011865 °	-121.011865 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25025 DS_ID:24732 EP_NO: N/A FS_HLM: 4.239 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2594.jpg



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

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>993 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2595.jpg



WS view: discharge pipe end on levee toe. No flap gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>993 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.431029 °	37.431029 °
				-121.011865 °	-121.011865 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25025 DS_ID:24732 EP_NO: N/A FS_HLM: 4.239 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2596.jpg



WS view: air vents (top- red) on exposed steel pipe.

LM Start	<b>4.58</b>	Rating **	M	Issue No.	<b>994</b>
LM End	<b>4.58</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.429501 °	37.429501 °
				-121.005667 °	-121.005667 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25028 DS_ID:22103 EP_NO: N/A FS_HLM: 4.657 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky pipe joint on landside where pipe daylights. Power pole on waterside. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee 4.0 feet below the crown. Gate valve on waterside slope. Siphon breaker on landside slope. Pipe daylights halfway down landward slope and empties into a concrete standpipe at landward toe. Pump at top of the bank on waterside. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/06/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2597.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>4.58</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>4.58</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.429501 °	37.429501 °
				-121.005667 °	-121.005667 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25028 DS_ID:22103 EP_NO: N/A FS_HLM: 4.657 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky pipe joint on landside where pipe daylights. Power pole on waterside. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee 4.0 feet below the crown. Gate valve on waterside slope. Siphon breaker on landside slope. Pipe daylights halfway down landward slope and empties into a concrete standpipe at landward toe. Pump at top of the bank on waterside. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/06/2013					

LM Start	<b>4.58</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>4.58</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2598.jpg



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

Photo 3 of 3 : UCIP\_FA\_2015\_2599.jpg



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

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>4.60</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>4.60</b>	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				
Action/Comments					
Crops Inspector Comments: Landowner planted grape vines and fruit trees and water tank on waterside berm without a permit from the CVFPB.					

Photo 1 of 2 : FA\_2015\_RD2063\_112\_31\_20150914\_00009.jpg



Looking west at water tank on waterward berm.

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

Photo 2 of 2 : FA\_2015\_RD2063\_112\_31\_20150914\_00010.jpg



Looking south at grapevines and fruit trees on waterside berm.

LM Start	<b>4.64</b>	Rating **	A/W	Issue No.	<b>20</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.429892 °	37.429892 °	
			-121.004768 °	-121.004768 °	
DWR ID	DWR_RD2063_01_s_2012_20				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>5.05</b>	Rating **	M	Issue No.	<b>995</b>
LM End	<b>5.05</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.427152 °	37.427152 °
				-120.999353 °	-120.999353 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41669 DS_ID:22105 EP_NO: N/A FS_HLM: 5.137 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 1 of 2: Two 12-inch steel pipes encased in reinforced concrete through levee 9.0 feet below crown. Two slide gates in 72-inch CM pipe riser on waterward slope. Two pumps on floating structure in river. Concrete distribution box on landward toe of the levee. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/06/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2604.jpg



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

LM Start	<b>5.05</b>	Rating **	M	Issue No.	<b>995 (cont)</b>
LM End	<b>5.05</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2630.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	995 (cont)
LM End	5.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			37.427152 °	37.427152 °
				-120.999353 °	-120.999353 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41669 DS_ID:22105 EP_NO: N/A FS_HLM: 5.137 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2631.jpg



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

LM Start	5.05	Rating **	M	Issue No.	996
LM End	5.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			37.427143 °	37.427143 °
				-120.999374 °	-120.999374 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41670 DS_ID:22123 EP_NO: N/A FS_HLM: 5.138 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 2 of 2: Two 12-inch steel pipes encased in reinforced concrete through levee 9.0 feet below crown. Two slide gates in 72-inch CM pipe riser on waterward slope. Two pumps on floating structure in river. Concrete distribution box on landward toe of the levee. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/06/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_1527.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	996 (cont)
LM End	5.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.427143 °	37.427143 °
DWR ID				-120.999374 °	-120.999374 °
Action/Comments					
Inspector Comments: FS_ID:41670 DS_ID:22123 EP_NO: N/A FS_HLM: 5.138 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. FIELD_STRUCT_DESC: 2 of 2: Two 12-inch steel pipes encased in reinforced concrete through levee 9.0 feet below crown. Two slide gates in 72-inch CM pipe riser on waterward slope. Two pumps on floating structure in river. Concrete distribution box on landward toe of the levee. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/06/2013					

Photo 2 of 3 : UCIP\_FA\_2015\_1528.jpg



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

LM Start	5.05	Rating **	M	Issue No.	996 (cont)
LM End	5.05	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_1642.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>5.99</b>	Rating **	A/W	Issue No.	<b>5</b>
LM End	<b>5.99</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.415887 °	37.415887 °	
			-120.998083 °	-120.998083 °	
DWR ID	DWR_RD2063_01_s_2012_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>6.04</b>	Rating **	A/W	Issue No.	<b>120</b>
LM End	<b>6.26</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.415488 °	37.413473 °	
			-120.998988 °	-121.001680 °	
DWR ID	DWR_RD2063_01_s_2012_120				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation has been removed, but should be monitored.					

No Photos

LM Start	<b>6.21</b>	Rating **	A/W	Issue No.	<b>40</b>
LM End	<b>6.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.414110 °	37.414110 °	
			-121.001408 °	-121.001408 °	
DWR ID	DWR_RD2063_01_s_2015_40				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>6.53</b>	Rating **	M	Issue No.	<b>997</b>
LM End	<b>6.53</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.411347 °	37.411347 °
				-120.998063 °	-120.998063 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:24628  
 DS\_ID:22108  
 EP\_NO: 4062  
 FS\_HLM: 6.643  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Abandoned pipe also found adjacent to this pipe. Needs proper abandonment. Soil erosion under pipe on waterside. No pipe visible on landside. Overhead powerline.  
 FIELD\_STRUCT\_DESC: 12-inch pvc pipe through the levee 3.0 feet below the crown. Float pump in the river. Gate valve and air vent on waterside levee berm. Service pole with overhead line on the waterward shoulder. (App. No. 4062 - Greer)  
 FS Date: 11/06/2013

Photo 1 of 3 : UCIP\_FA\_2015\_2873.jpg



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

LM Start	<b>6.53</b>	Rating **	M	Issue No.	<b>997 (cont)</b>
LM End	<b>6.53</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2874.jpg



WS view: pump on floating structure in the stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>6.53</b>	Rating **	M	Issue No.	<b>997 (cont)</b>
LM End	<b>6.53</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.411347 °	37.411347 °
				-120.998063 °	-120.998063 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24628 DS_ID:22108 EP_NO: 4062 FS_HLM: 6.643 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2875.jpg



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

LM Start	<b>6.67</b>	Rating **	A/W	Issue No.	<b>41</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.411877 °	37.411725 °
				-120.995685 °	-120.995092 °
DWR ID	DWR_RD2063_01_s_2013_41				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>6.89</b>	Rating **	A/W	Issue No.	<b>39</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.411785 °	37.411785 °
				-120.993548 °	-120.993548 °
DWR ID	DWR_RD2063_01_s_2012_39				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>6.96</b>	Rating **	M	Issue No.	<b>998</b>
LM End	<b>6.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.409073 °	37.409073 °
				-120.992041 °	-120.992041 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:24629  
 DS\_ID:22109  
 EP\_NO: 13541  
 FS\_HLM: 7.0835  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - erosion around CMP riser on waterside- no U type headwall found on landside.- no pipe found on landside.  
 FIELD\_STRUCT\_DESC: 16-inch steel pipe through the levee 10.0 feet below the crown. Gate valve in CM pipe riser on the waterward slope. Pump on bank. Concrete "U" headwall on landward side. Installed by USCE 1961. (App. No. 13541 replace pump). O&M Manual SJR 006, Sept. 1961  
 FS Date: 11/06/2013

LM Start	<b>6.96</b>	Rating **	M	Issue No.	<b>998 (cont)</b>
LM End	<b>6.96</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_2876.jpg



WS view: walkway to pump and pump on pile structure in the stream.

Photo 2 of 3 : UCIP\_FA\_2015\_2877.jpg



WS view: power pole, walkway to pump, CMP riser, and pipe on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>6.96</b>	Rating **	M	Issue No.	<b>998 (cont)</b>
LM End	<b>6.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.409073 °	37.409073 °
				-120.992041 °	-120.992041 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24629 DS_ID:22109 EP_NO: 13541 FS_HLM: 7.0835 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2878.jpg



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

LM Start	<b>7.35</b>	Rating **	A/W	Issue No.	<b>6</b>
LM End	<b>7.35</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.404377 °	37.404377 °
				-120.988852 °	-120.988852 °
DWR ID	DWR_RD2063_01_f_2014_6				
Action/Comments					
Tree or limb Inspector Comments: Fallen tree limbs at waterward toe.					

Photo 1 of 1 : FA\_2015\_RD2063\_112\_6\_20150914\_00002.jpg



Looking southwest at fallen tree limbs at waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>7.50</b>	Rating **	M	Issue No.	<b>999</b>
LM End	<b>7.50</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.404130 °	37.404130 °
				-120.986454 °	-120.986454 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:25031  
 DS\_ID:22111  
 EP\_NO: N/A  
 FS\_HLM: 7.629  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side. Looks abandoned.  
 FIELD\_STRUCT\_DESC: Abandoned 12-inch steel pipe encased in concrete 7.0 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Steel pipe opens on both sides of the levee. Installed by USCE1961. O&M Manual SJR 006, Sept. 1961.  
 FS Date: 11/06/2013

LM Start	<b>7.50</b>	Rating **	M	Issue No.	<b>999 (cont)</b>
LM End	<b>7.50</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_FA\_2015\_2632.jpg



LS view: open-ended steel pipe on levee slope (bottom).

Photo 2 of 3 : UCIP\_FA\_2015\_2633.jpg



WS view: steel pipe with open-end on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>7.50</b>	Rating **	M	Issue No.	<b>999 (cont)</b>
LM End	<b>7.50</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.404130 °	37.404130 °
				-120.986454 °	-120.986454 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25031 DS_ID:22111 EP_NO: N/A FS_HLM: 7.629 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2634.jpg



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

LM Start	<b>7.56</b>	Rating **	A/W	Issue No.	<b>7</b>
LM End	<b>7.56</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.403516 °	37.403516 °
				-120.985718 °	-120.985718 °
DWR ID	DWR_RD2063_01_s_2012_7				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA\_2015\_RD2063\_112\_7\_20150914\_00003.jpg



Looking north at overhanging tree on landward slope.

LM Start	<b>7.68</b>	Rating **	A/W	Issue No.	<b>23</b>
LM End	<b>7.77</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.402400 °	37.401563 °
				-120.984087 °	-120.982775 °
DWR ID	DWR_RD2063_01_s_2012_23				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>7.74</b>	Rating **	A/W	Issue No.	<b>9</b>
LM End	<b>7.74</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.401774 °	37.401774 °
				-120.983132 °	-120.983132 °
DWR ID	DWR_RD2063_01_s_2012_9				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>8.03</b>	Rating **	A/W	Issue No.	<b>33</b>
LM End	<b>8.03</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.401222 °	37.401222 °
				-120.978317 °	-120.978317 °
DWR ID	DWR_RD2063_01_s_2012_33				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1000</b>
LM End	<b>8.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.397883 °	37.397883 °
				-120.972342 °	-120.972342 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:24651  
 DS\_ID:22124  
 EP\_NO: N/A  
 FS\_HLM: 8.608  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - working during field inspection.- blocked siphon breaker.  
 FIELD\_STRUCT\_DESC: 1 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961.  
 FS Date: 11/06/2013

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1000 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_2711.jpg



LS view: pipes under walkway to pump house.

Photo 2 of 3 : UCIP\_FA\_2015\_2712.jpg



WS view: two flap gates on outfall pipe ends.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1000 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.397883 °	37.397883 °
				-120.972342 °	-120.972342 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24651 DS_ID:22124 EP_NO: N/A FS_HLM: 8.608 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2713.jpg



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

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1001</b>
LM End	<b>8.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.397872 °	37.397872 °
				-120.972336 °	-120.972336 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24652 DS_ID:22112 EP_NO: N/A FS_HLM: 8.609 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961. FS Date: 11/06/2013					

Photo 1 of 3 : UCIP\_FA\_2015\_2714.jpg



LS view: pipes under walkway to pump house.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1001 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.397872 °	37.397872 °
				-120.972336 °	-120.972336 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:24652  
 DS\_ID:22112  
 EP\_NO: N/A  
 FS\_HLM: 8.609  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - working during field inspection.- blocked siphon breaker.  
 FIELD\_STRUCT\_DESC: 2 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961.  
 FS Date: 11/06/2013

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1001 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2715.jpg



WS view: two flap gates on outfall pipe ends.

Photo 3 of 3 : UCIP\_FA\_2015\_2716.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>8.63</b>	Rating **	A/W	Issue No.	<b>43</b>
LM End	<b>8.69</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.395752 °	37.394933 °	
			-120.970823 °	-120.970225 °	
DWR ID	DWR_RD2063_01_s_2015_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control Johnson Grass at landward toe.					

No Photos

LM Start	<b>8.89</b>	Rating **	A/W	Issue No.	<b>25</b>
LM End	<b>8.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.392405 °	37.392405 °	
			-120.968492 °	-120.968492 °	
DWR ID	DWR_RD2063_01_s_2013_25				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>9.95</b>	Rating **	M	Issue No.	<b>1002</b>
LM End	<b>9.95</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.390572 °	37.390572 °
				-120.950156 °	-120.950156 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:24645  
 DS\_ID:22117  
 EP\_NO: N/A  
 FS\_HLM: 10.1267  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - waterside not accessible.- partially blocked inlet opening on landside.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee 4.6 feet below the crown. Flap gate and concrete "U" headwall on the waterward end. Concrete headwall on landward end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.  
 O&M Manual SJR 006, Sept. 1961.  
 FS Date: 11/06/2013

LM Start	<b>9.95</b>	Rating **	M	Issue No.	<b>1002 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2015\_2707.jpg



LS view: concrete headwall and partially blocked inlet opening.

Photo 2 of 2 : UCIP\_FA\_2015\_2708.jpg



WS view: concrete U type headwall on channel bank. Not accessible.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>10.20</b>	Rating **	U	Issue No.	<b>1003</b>
LM End	<b>10.20</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.390517 °	37.390517 °
				-120.945659 °	-120.945659 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41366 DS_ID:22074 EP_NO: 11631 FS_HLM: 10.379 Repair Type: Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_2709.jpg



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

LM Start	<b>10.20</b>	Rating **	U	Issue No.	<b>1003 (cont)</b>
LM End	<b>10.20</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2015\_2710.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2015**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/01/2015 10/01/2015	Richard Willoughby

LM Start	<b>10.38</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>10.43</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.390503 °	37.390483 °
				-120.942368 °	-120.941480 °
DWR ID	DWR_RD2063_01_s_2013_42				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Repair erosion on waterward shoulder. Erosion cause by farm equipment.					

Photo 1 of 2 : FA\_2015\_RD2063\_112\_42\_20151005\_00030.jpg



Looking at erosion on waterward levee shoulder. (Fall 2015)

LM Start	<b>10.38</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>10.43</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2015\_RD2063\_112\_42\_20150914\_00012.jpg



Looking north at erosion on waterward shoulder. (Spring 2015)

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