

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2063 Reclamation District No. 2063 Crows Landing	Overall LMA Rating	Total LMA Miles						
	A	10.44						
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>								
Trim / Thin Trees	0.02		0.02	0.19%				
Encroachments	0.01		0.01	0.10%	0.09	1.29		
Animal Control	0.01		0.01	0.10%				
Erosion / Bank Caving	0.05		0.05	0.48%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.15	0.01		
<i>LMA Totals:</i>	0.09	0.00	0.09	0.86%	0.24	1.30	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 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)			A	

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 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	04/22/2014 - 04/22/2014		11/20/2014 - 11/20/2014	
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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	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 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 *	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	0.00	Rating **	A	Issue No.	21
LM End	0.00	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

* 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	27
LM End	10.58	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 gravel or road base. Grade and compact.					

No Photos

LM Start	0.02	Rating **	A/W	Issue No.	3
LM End	0.51	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 1 : FA_2014_RD2063_112_3_20141103_00001.jpg



Looking south at typical view of waterside and landside slopes.

LM Start	0.02	Rating **	A/W	Issue No.	2
LM End	0.51	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

* 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	0.03	Rating **	U	Issue No.	18
LM End	1.32	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_2014_RD2063_112_18_20141103_00011.jpg



Looking north at ditch on landside berm and toe.

LM Start	0.03	Rating **	U	Issue No.	18 (cont)
LM End	1.32	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2014_RD2063_112_18_20141103_00012.jpg



Looking northeast at canal-ditch on landside berm.

LM Start	0.03	Rating **	U	Issue No.	18 (cont)
LM End	1.32	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2014_RD2063_112_18_20141103_00013.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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	0.14	Rating **	C	Issue No.	16
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.476855 °	37.475658 °	
			-121.044622 °	-121.044603 °	
DWR ID	DWR_RD2063_01_s_2012_16				
Action/Comments					
Prunings					

No Photos

LM Start	1.30	Rating **	U	Issue No.	19
LM End	1.30	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	DWR_RD2063_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:24363 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - 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: 11/5/2013					

No Photos

LM Start	1.41	Rating **	A/W	Issue No.	36
LM End	1.41	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

* 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	1.47	Rating **	C	Issue No.	8
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.462723 °	37.462303 °	
			-121.032020 °	-121.031928 °	
DWR ID	DWR_RD2063_01_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.54	Rating **	C	Issue No.	10
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.461762 °	37.461762 °	
			-121.031822 °	-121.031822 °	
DWR ID	DWR_RD2063_01_s_2012_10				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	1.57	Rating **	A/W	Issue No.	4
LM End	1.57	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

* 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	1.69	Rating **	A/W	Issue No.	11
LM End	1.69	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.					

Photo 1 of 1 : FA_2014_RD2063_112_11_20141103_00004.jpg



Looking east at squirrel holes on landside slope.

LM Start	1.95	Rating **	C	Issue No.	117
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.456460 °	37.456460 °	
			-121.033730 °	-121.033730 °	
DWR ID	DWR_RD2063_01_s_2012_117				
Action/Comments					
Garbage Inspector Comments: Garbage at landside toe and berm.					

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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	2.13	Rating **	M	Issue No.	26
LM End	2.13	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	DWR_RD2063_01_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:24404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete distribution box with alfalfa valve not found at the waterward to two steel standpipes and dismantled concrete standpipe on waterside levee to 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: 11/5/2013					

No Photos

LM Start	2.32	Rating **	C	Issue No.	1
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.451895 °	37.449892 °	
			-121.030492 °	-121.028072 °	
DWR ID	DWR_RD2063_01_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	2.47	Rating **	M	Issue No.	28
LM End	2.47	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	DWR_RD2063_01_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:24427 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned steel pipe and service pole on waterside. Pump not found on river bankCMP riser on waterside slope. Slide gate not found in CMP riserSteel 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: 11/5/2013					

No Photos

LM Start	2.53	Rating **	C	Issue No.	13
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.449787 °	37.449432 °	
			-121.027943 °	-121.027472 °	
DWR ID	DWR_RD2063_01_s_2012_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation at landside toe.					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	2.66	Rating **	M	Issue No.	34
LM End	2.66	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	DWR_RD2063_01_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:24435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Both pipe ends 70 ft off the levee centerline. Clearing and cleaning of inlet/outlet pipe needed.					

No Photos

LM Start	2.72	Rating **	A/W	Issue No.	982
LM End	2.79	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	2.78	Rating **	C	Issue No.	14
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.446722 °	37.445925 °
				-121.025640 °	-121.025528 °
DWR ID	DWR_RD2063_01_s_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation at landside toe.					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	2.98	Rating **	M	Issue No.	35
LM End	2.98	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	DWR_RD2063_01_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:24443 EP_NO: N/A 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: 11/5/2013					

No Photos

LM Start	3.06	Rating **	C	Issue No.	30
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.442816 °	37.442816 °	
			-121.025421 °	-121.025421 °	
DWR ID	DWR_RD2063_01_f_2012_30				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Several erosion sites located along waterside slope and toe approx. 100' plus feet long, 18-24 inches vertical cuts. Erosion site was repaired by district.					

No Photos

LM Start	3.20	Rating **	A/W	Issue No.	37
LM End	3.20	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

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	3.34	Rating **	M	Issue No.	40
LM End	3.34	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	DWR_RD2063_01_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:24469 EP_NO: N/A 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: 11/5/2013					

No Photos

LM Start	3.41	Rating **	A/W	Issue No.	38
LM End	3.70	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.					

No Photos

LM Start	3.55	Rating **	M	Issue No.	53
LM End	3.55	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. Inspector Comments: Typical view of rodent holes on landward slope.					

Photo 1 of 1 : FA_2014_RD2063_112_53_20141120_00049.jpg



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

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	3.70	Rating **	M	Issue No.	43
LM End	3.70	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	DWR_RD2063_01_f_2014_43				
Action/Comments					
Inspector Comments: FS_ID:24485 EP_NO: N/A 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: 11/5/2013					

No Photos

LM Start	3.77	Rating **	A/W	Issue No.	29
LM End	3.82	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_2014_RD2063_112_29_20141103_00014.jpg



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

LM Start	3.96	Rating **	C	Issue No.	17
LM End	4.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.434403 °	37.432653 °	
			-121.014298 °	-121.013327 °	
DWR ID	DWR_RD2063_01_s_2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	4.08	Rating **	M	Issue No.	44
LM End	4.08	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	DWR_RD2063_01_f_2014_44				
Action/Comments					
Inspector Comments: FS_ID:24583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - new flap gate on waterside.cleaning of outlet and inlet pipes required.					

No Photos

LM Start	4.21	Rating **	M	Issue No.	55
LM End	4.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.431316 °	37.430509 °
				-121.012154 °	-121.011304 °
DWR ID	DWR_RD2063_01_s_2014_55				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2014_RD2063_112_55_20141103_00025.jpg



Looking northeast at fence along landward 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	4.24	Rating **	M	Issue No.	45
LM End	4.24	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	DWR_RD2063_01_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:25025 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - new pipe to pump overhead power line. soil cover over the pipe seems not enough. FIELD_STRUCT_DESC: A 24-inch steel pipe through the levee at crown level. A thin layer of dirt acts as cover to the pipe. Pump house on steel structure in landside drainage ditch. Pump house and pipe on landside look new. Old wooden walkway to the pumphouse. Three new air vents on waterside pipe. Pipe opens on waterside. Exposed old pipe on waterside. FS Date: 11/6/2013					

No Photos

LM Start	4.66	Rating **	M	Issue No.	46
LM End	4.66	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	DWR_RD2063_01_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:25028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky pipe joint on landside where pipe daylight. 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: 11/6/2013					

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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	4.68	Rating **	M	Issue No.	31
LM End	4.68	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_2014_RD2063_112_31_20141103_00018.jpg



Looking west at water tank on waterward berm.

LM Start	4.68	Rating **	M	Issue No.	31 (cont)
LM End	4.68	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2014_RD2063_112_31_20141103_00019.jpg



Looking south at grapevines and fruit trees on waterside berm.

LM Start	4.71	Rating **	A/W	Issue No.	20
LM End	4.71	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

* 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	5.05	Rating **	C	Issue No.	119
LM End	5.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.428202 °	37.427518 °	
			-120.999518 °	-120.999362 °	
DWR ID	DWR_RD2063_01_s_2012_119				
Action/Comments					
Ditch Inspector Comments: Farmer removed irrigation ditch from landward toe.					

No Photos

LM Start	5.48	Rating **	C	Issue No.	32
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.422827 °	37.422827 °	
			-121.001788 °	-121.001788 °	
DWR ID	DWR_RD2063_01_s_2012_32				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Landowner removed irrigation system and repaired erosion sites.					

No Photos

LM Start	6.05	Rating **	C	Issue No.	22
LM End	6.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.416235 °	37.411285 °	
			-120.997563 °	-120.998188 °	
DWR ID	DWR_RD2063_01_s_2012_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	6.09	Rating **	A/W	Issue No.	5
LM End	6.09	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	6.15	Rating **	A/W	Issue No.	120
LM End	6.36	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.					

Photo 1 of 1 : FA_2014_RD2063_112_120_20141103_00030.jpg



Looking south at dense vegetation on landside toe.

LM Start	6.64	Rating **	M	Issue No.	47
LM End	6.64	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	DWR_RD2063_01_f_2014_47				
Action/Comments					
Inspector Comments: FS_ID:24628 EP_NO: 4062 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: 11/6/2013					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	6.78	Rating **	A/W	Issue No.	41
LM End	6.81	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	6.89	Rating **	A/W	Issue No.	39
LM End	6.89	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

LM Start	7.08	Rating **	M	Issue No.	48
LM End	7.08	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	DWR_RD2063_01_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:24629 EP_NO: 13541 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - erosion around CMP riser on watersideno 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: 11/6/2013					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	7.48	Rating **	M	Issue No.	6
LM End	7.48	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_2014_RD2063_112_6_20141120_00051.jpg



Looking southwest at fallen tree limbs at waterward toe.

LM Start	7.63	Rating **	M	Issue No.	49
LM End	7.63	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	DWR_RD2063_01_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:25031 EP_NO: N/A 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: 11/6/2013					

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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	7.69	Rating **	M	Issue No.	7
LM End	7.69	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_2014_RD2063_112_7_20141120_00052.jpg



Looking north at overhanging tree on landward slope.

LM Start	7.81	Rating **	A/W	Issue No.	23
LM End	7.90	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

LM Start	7.88	Rating **	M	Issue No.	9
LM End	7.88	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

* 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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	8.06	Rating **	C	Issue No.	24
LM End	8.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.400930 °	37.401148 °	
			-120.980157 °	-120.977320 °	
DWR ID	DWR_RD2063_01_s_2012_24				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	8.17	Rating **	A/W	Issue No.	33
LM End	8.17	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

LM Start	8.54	Rating **	C	Issue No.	121
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.398673 °	37.398673 °	
			-120.972922 °	-120.972922 °	
DWR ID	DWR_RD2063_01_s_2012_121				
Action/Comments					
Crops Inspector Comments: Farmer did move hay stack outside the fifteen foot right-of-way.					

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 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	8.61	Rating **	M	Issue No.	50
LM End	8.61	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	DWR_RD2063_01_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:24651 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - working during field inspection.blocked siphon breaker.					

No Photos

LM Start	8.61	Rating **	M	Issue No.	51
LM End	8.61	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	DWR_RD2063_01_f_2014_51				
Action/Comments					
Inspector Comments: FS_ID:24652 EP_NO: N/A 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: 11/6/2013					

No Photos

LM Start	9.05	Rating **	A/W	Issue No.	25
LM End	9.05	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

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	11/20/2014 11/20/2014	Richard Willoughby

LM Start	10.13	Rating **	M	Issue No.	52
LM End	10.13	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	DWR_RD2063_01_f_2014_52				
Action/Comments					
Inspector Comments: FS_ID:24645 EP_NO: N/A 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. FS Date: 11/6/2013					

No Photos

LM Start	10.56	Rating **	M	Issue No.	42
LM End	10.61	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 1 : FA_2014_RD2063_112_42_20141103_00024.jpg



Looking north at erosion on waterward shoulder.

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