

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 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				
	U	10.63				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	2.03		2.03	19.10%		
Trim / Thin Trees	0.03		0.03	0.28%		
Encroachments	0.12	0.01	0.16	1.51%		0.49
Animal Control	0.11		0.11	1.04%		
Slope Stability	0.01		0.01	0.09%		
Erosion / Bank Caving		0.16	0.64	6.02%		
Crown Surface / Depressions / Rutting	10.58		10.58	99.53%		
<i>LMA Totals:</i>	12.88	0.17	13.56	127.56%	0.00	0.49

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2011 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)			U	

** 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.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	10.63

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/18/2011 - 5/18/2011		11/29/2011 - 12/1/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	10.58	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.478842 ° -121.044627 °	37.390455 ° -120.941945 °	27
2	0.02	0.51	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.478550 ° -121.044603 °	37.471548 ° -121.044553 °	3
3	0.02	0.51	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.478548 ° -121.044605 °	37.471545 ° -121.044553 °	2
4	0.03	0.49	Earthen Levee	Encroachments	LS	CO	Agricultural Ditch Inspector Comments: Ditch on landside has encroached into the berm and toe of the levee.	37.478470 ° -121.044598 °	37.471848 ° -121.044635 °	18 Y
5	0.14	0.22	Earthen Levee	Encroachments	LS	M	Prunings	37.476855 ° -121.044622 °	37.475658 ° -121.044603 °	16 Y
6	1.35	1.35	Earthen Levee	Encroachments	LS	CO	Ramp Inspector Comments: Ramp does not meet CVFPB standards. Ramp has 18-20" vertical cut at landside shoulder.	37.464308 ° -121.032603 °	37.464308 ° -121.032603 °	6 Y
7	1.47	1.50	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.462723 ° -121.032020 °	37.462303 ° -121.031928 °	8
8	1.54	1.54	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.461762 ° -121.031822 °	37.461762 ° -121.031822 °	10 Y
9	1.57	1.57	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.461322 ° -121.031785 °	37.461322 ° -121.031785 °	4
10	1.69	1.69	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.459813 ° -121.032372 °	37.459813 ° -121.032372 °	11 Y
11	2.31	2.47	Earthen Levee	Erosion / Bank Caving	LS	U	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion is occurring around a 10-12 inch concrete irrigation pipe at landside toe.	37.451927 ° -121.030555 °	37.450290 ° -121.028592 °	12 Y
12	2.32	2.52	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.451895 ° -121.030492 °	37.449892 ° -121.028072 °	1
13	2.56	2.56	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.449432 ° -121.027472 °	37.449432 ° -121.027472 °	13
14	2.72	2.72	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 08/18/2011: No sign of new erosion activities observed on site. 10/20/2010: Site has been repaired by the district. Site was previously rated "M".08/06/2010: Recommended as local maintenance issue, per CLRO.2009: Note this site has not been reported to be repaired.08/07/2007: sinkhole that is approximately 7'x7'x2'; rated "M". [2011 Site ID:RD2063U01RM105.5]	37.447450 ° -121.026090 °	37.447450 ° -121.026090 °	35

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	2.72	2.79	Earthen Levee	Animal Control	LS	M	Repair the levee slope damaged by livestock and prevent large animal access.	37.447512 ° -121.026050 °	37.446574 ° -121.025643 °	982
16	2.78	2.84	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.446722 ° -121.025640 °	37.445925 ° -121.025528 °	14
17	2.87	2.90	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.445497 ° -121.025560 °	37.444985 ° -121.025622 °	15
18	3.07	3.26	Supplemental	DWR Erosion Survey	WS	W	Inspector Comments: 10/14/2011. This site was reported on Jan. 18, 2011. The first 100' of erosion appears to be a pervious cut with fresh activity. At station 2+00 the district president indicated that 60 - 80' of material eroded. The remainder berm width is at least 32 ft from the levee toe. As the levee is not at risk at this time, the site is not rated, but needs to be closely monitored for possible erosion failure during the upcoming flooding season. [2011 Site ID:RD2063U01RM103.49]	37.442305 ° -121.022727 °	37.442305 ° -121.022727 °	34 Y
19	3.16	3.16	Earthen Levee	Encroachments	WS	CO	Ramp Inspector Comments: Unauthorized ramp installed to access erosion site. Ramp should be removed or the district should apply for a permit to maintain ramp.	37.442510 ° -121.023772 °	37.442510 ° -121.023772 °	26 Y
20	3.17	3.17	Earthen Levee	Encroachments	WS	U	Material Inspector Comments: LMA has a stockpile of concrete for erosion repair. Revetment is not according to Title 23 standards. Rebar should be removed from concrete. .	37.442478 ° -121.023593 °	37.442478 ° -121.023593 °	19 Y
21	3.30	3.30	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Concrete rubble should be free of rebar before using on river bank.	37.441723 ° -121.021552 °	37.441723 ° -121.021552 °	28 Y
22	3.82	3.82	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.435732 ° -121.016090 °	37.435732 ° -121.016090 °	29 Y
23	3.96	4.10	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.434403 ° -121.014298 °	37.432653 ° -121.013327 °	17
24	4.24	4.24	Earthen Levee	Encroachments	LS	M	Material Inspector Comments: Rubber truck tires on landside slope should be removed.	37.431080 ° -121.011897 °	37.431080 ° -121.011897 °	30
25	4.68	4.68	Earthen Levee	Encroachments	WS	CO	Crops Inspector Comments: Landowner planted grape vines and fruit trees on waterside berm without a permit from the CVFPB.	37.429638 ° -121.005348 °	37.429638 ° -121.005348 °	31 Y
26	4.71	4.71	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	37.429892 ° -121.004768 °	37.429892 ° -121.004768 °	20

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
27	5.12	5.12	Earthen Levee	Encroachments	WS	M	Garbage Inspector Comments: Old pipes on waterside slope should be removed.	37.427375 ° -120.999343 °	37.427375 ° -120.999343 °	21 Y
28	5.13	5.13	Earthen Levee	Encroachments	LS	M	Pipe Inspector Comments: Landowner modified pipe structure and cut into landside slope without permission from CVFPB. See field investigation report for more detail.	37.427210 ° -120.999288 °	37.477210 ° -120.992880 °	50 Y
29	5.48	5.48	Earthen Levee	Slope Stability	LS	W	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.422827 ° -121.001788 °	37.422827 ° -121.001788 °	32
30	6.05	6.63	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.416235 ° -120.997563 °	37.411285 ° -120.998188 °	22
31	6.09	6.09	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.415887 ° -120.998083 °	37.415887 ° -120.998083 °	5
32	6.89	6.89	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.411785 ° -120.993548 °	37.411785 ° -120.993548 °	39
33	7.69	7.69	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	37.403516 ° -120.985718 °	37.403516 ° -120.985718 °	7
34	7.81	7.90	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.402400 ° -120.984087 °	37.401563 ° -120.982775 °	23
35	7.88	7.88	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.401774 ° -120.983132 °	37.401774 ° -120.983132 °	9
36	8.06	8.23	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.400930 ° -120.980157 °	37.401148 ° -120.977320 °	24
37	8.17	8.17	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.401222 ° -120.978317 °	37.401222 ° -120.978317 °	33
38	9.44	9.60	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.390727 ° -120.962520 °	37.390683 ° -120.959570 °	25

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at ditch on landside berm and toe.	
richard_f_20111130_476.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at canal-ditch at landside berm and toe.	
richard_f_20111205_484.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at canal-ditch on landside berm.	
richard_f_20111205_485.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.14
End Levee Mile	0.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at prunings stacked on landside toe and berm.

richard_f_20111130_475.jpg



Levee Mile Report Line	6
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at ramp and equipment working pad on landside slope with a 18-20" vertical cut at shoulder.

richard_f_20110922_555.jpg



Levee Mile Report Line	6
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at 18-20" vertical cut for ramp on landside shoulder and slope

richard_f_20110922_556.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at landside slope damage (six to eight inch erosion) by vehicle	
richard_f_20110922_557.jpg	



Levee Mile Report Line	8
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking west at landside slope damage cause by vehicle traffic.	
richard_f_20110922_558.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking east at squirrel holes on landside slope.	
richard_f_20110922_559.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking west at slope caving around concrete irrigation pipe on landside toe.	
richard_f_20110922_560.jpg	



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking south at additional caving around concrete pipe.	
richard_f_20110922_561.jpg	



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking north at site #1 caving around pipe on landside slope.	
richard_f_20110922_562.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at caving around concrete pipe at site #3.

richard_f_20110922_563.jpg



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at concrete irrigation pipe that runs along landside toe.

richard_f_20110922_564.jpg



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking southwest at site # 4 of slope caving around concrete irrigation pipe at landside toe.

richard_f_20110922_565.jpg



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	3.07
End Levee Mile	3.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Looking south from station 0+00. Image taken by Herman Phillips	
SJR2011_RD2063U01RM103.49_1.jpg	



Levee Mile Report Line	18
Start Levee Mile	3.07
End Levee Mile	3.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Looking north from station 10+00. Image taken by Herman Phillips	
SJR2011_RD2063U01RM103.49_2.jpg	



Levee Mile Report Line	18
Start Levee Mile	3.07
End Levee Mile	3.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Looking north at station 0+00. Image taken by Herman Phillips	
SJR2011_RD2063U01RM103.49_3.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	3.07
End Levee Mile	3.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Looking west at berm from station 1+00. Image taken by Herman Phillips	
SJR2011_RD2063U01RM103.49_4.jpg	



Levee Mile Report Line	19
Start Levee Mile	3.16
End Levee Mile	3.16
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at unauthorized ramp on waterside slope.	
richard_f_20111205_490.jpg	



Levee Mile Report Line	20
Start Levee Mile	3.17
End Levee Mile	3.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking north at concrete rip rap (with rebar) place on waterside berm slope.	
richard_f_20111205_486.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	20
Start Levee Mile	3.17
End Levee Mile	3.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at concrete rip rap with rebar place on waterside berm slope.	
richard_f_20111205_487.jpg	



Levee Mile Report Line	20
Start Levee Mile	3.17
End Levee Mile	3.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at concrete rip rap on stock pile and place on waterside berm.	
richard_f_20111205_488.jpg	



Levee Mile Report Line	20
Start Levee Mile	3.17
End Levee Mile	3.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at concrete rip rap stock pile on waterside berm.	
richard_f_20111205_489.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	21
Start Levee Mile	3.30
End Levee Mile	3.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking at concrete rubble on waterside shoulder with rebar.	
richard_f_20110922_566.jpg	



Levee Mile Report Line	22
Start Levee Mile	3.82
End Levee Mile	3.82
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Looking at typical view of a squirrel hole on landside shoulder.	
richard_f_20110922_567.jpg	



Levee Mile Report Line	25
Start Levee Mile	4.68
End Levee Mile	4.68
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at grapevines and fruit trees on waterside berm.	
richard_f_20110922_568.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/29/2011 12/01/2011	Richard Willoughby

Levee Mile Report Line	27
Start Levee Mile	5.12
End Levee Mile	5.12
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking north at abandoned pipes on waterside slope.	
richard_f_20111205_491.jpg	



Levee Mile Report Line	28
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of cut into landside slope	
richard_f_20110922_569.jpg	



Levee Mile Report Line	28
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of concrete stand pipe and encased pipe on landside toe.	
richard_f_20110922_570.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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