

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0001	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 0001 Union Island	M *	1.15						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.87%				
Animal Control	0.03		0.03	2.61%				
<i>Supplemental</i>								
DWR Erosion Survey		0.01	0.04	3.48%				
<i>LMA Totals:</i>	0.04	0.01	0.08	6.96% *	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2012 Levee Inspection Results**

Reclamation District No. 0001 Union Island

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

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

* 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 2012 Levee Inspection Results

Reclamation District No. 0001 Union Island

Waterway	Bank	Unit Miles
Unit No. 01 Old River	Right	1.15

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/24/2012 - 05/24/2012		11/14/2012 - 11/14/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Chip Salmon		Chip Salmon	

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 2012

Reclamation District No. 0001 Union Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.15	11/14/2012 11/14/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	14
								DWR ID: DWR_RD0001_01_s_2012_14		
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	17
								DWR ID: DWR_RD0001_01_s_2012_17		
3			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	19
								DWR ID: DWR_RD0001_01_s_2012_19		
4	0.00	0.00	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/07/2012: The erosion is at the confluence of Old River and one of its tributary. [2012 Site ID:RD0001U01RM31.4]	37.822306 ° -121.375304 °	37.822306 ° -121.375304 °	2 Y
								DWR ID:		
5	0.01	0.01	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Steel irrigation intake pipe up levee slope and through freeboard.	37.822408 ° -121.375714 °	37.822408 ° -121.375714 °	1 Y
								DWR ID: DWR_RD0001_01_s_2012_1		
6	0.02	0.02	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several burrows present	37.822511 ° -121.375857 °	37.822511 ° -121.375857 °	18 Y
								DWR ID: DWR_RD0001_01_s_2012_18		
7	0.03	0.03	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrow evident on water side, burrow appears to have collapsed.	37.822403 ° -121.375937 °	37.822403 ° -121.375937 °	4 Y
								DWR ID: DWR_RD0001_01_s_2012_4		
8	0.39	0.39	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Irrigation intake through levee crown.	37.819651 ° -121.380467 °	37.819651 ° -121.380467 °	7 Y
								DWR ID: DWR_RD0001_01_s_2012_7		
9	0.66	0.66	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.817249 ° -121.382026 °	37.817249 ° -121.382026 °	15 Y
								DWR ID: DWR_RD0001_01_s_2012_15		
10	0.67	0.67	Earthen Levee	Encroachments	LS A/W	PI : Pipe Ma	Inspector Comments: Drainage discharge into Old River. No photo found from previous inspection. 04/26/2011 photo added.	37.817134 ° -121.382099 °	37.817134 ° -121.382099 °	20 Y
								DWR ID: DWR_RD0001_01_s_2012_20		
11	0.67	0.67	Earthen Levee	Animal Control	CR	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Deep vertical rodent hole in crown of levee, see photo. Shovel handle stopped at bend in burrow.	37.817109 ° -121.382192 °	37.817109 ° -121.382192 °	27
								DWR ID: DWR_RD0001_01_s_2012_27		

* Location LS : Land Side 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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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0001 Union Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.15	11/14/2012 11/14/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	0.86	0.86	Earthen Levee	Encroachments	LS A/W Ma	PI : Pipe Inspector Comments: Irrigation intake through levee freeboard.	37.814566 ° -121.382450 °	37.814566 ° -121.382450 °	10 Y	
DWR ID: DWR_RD0001_01_s_2012_10										
13	0.91	0.91	Earthen Levee	Vegetation	LS M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.814220 ° -121.383336 °	37.814220 ° -121.383336 °	11 Y	
DWR ID: DWR_RD0001_01_s_2012_11										

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Levee Inspection Report By Mile - Fall 2012

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.15	11/14/2012 11/14/2012	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion

SJR2012_RD0001U01RM31.4_1.jpg



Levee Mile Report Line	5
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of irrigation intake pipe on waterside slope.

mkhashch_f_20121119_773.JPG



Levee Mile Report Line	6
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Land Side
Category	Earthen Levee
Item	Animal Control

04/26/2011 Animal burrow in levee crown.

mkhashch_f_20120927_041.jpg



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Levee Mile Report Line	6
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Land Side
Category	Earthen Levee
Item	Animal Control
04/26/2011 Several burrows present in levee crown and landside slope.	
mkhashch_f_20120927_042.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Animal Control
04/26/2011 Several burrows present on water side, burrows appear to be collapsing.	
mkhashch_f_20120927_037.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Drainage discharge pipe through levee freeboard.	
mkhashch_f_20120927_038.jpg	



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Levee Mile Report Line	9
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Active rodent holes on levee slope.	
mkhashch_f_20120927_040.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.67
End Levee Mile	0.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/26/2011 Discharge pipe in water side slope.	
mkhashch_f_20120927_043.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of irrigation intake pipe on waterside.	
mkhashch_f_20121119_771.JPG	



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Levee Mile Report Line	12
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of irrigation pipe on landside.

mkhashch_f_20121119_772.JPG



Levee Mile Report Line	13
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of Elderberries blocking visibility of landside slope and toe.

mkhashch_f_20121119_770.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>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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