

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Spring 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)				

\*\* 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**

**Spring 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)				
Date of Inspection	5/24/2012 - 5/24/2012			
DWR Inspector	Max Khashchuk			
Accompanied By	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 - Spring 2012**

**Reclamation District No. 0001 Union Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.15	05/24/2012 05/24/2012	Max 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		°	°	14
DWR ID: DWR_RD0001_01_s_2012_14										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A		°	°	17
DWR ID: DWR_RD0001_01_s_2012_17										
3			Earthen Levee	Operations & Maintenance Manuals	LS	A		°	°	19
DWR ID: DWR_RD0001_01_s_2012_19										
4	0.01	0.01	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Inspector Comments: Steel irrigation intake pipe up levee slope and through freeboard.	37.822408 °	37.822408 °	1
								-121.375714 °	-121.375714 °	
DWR ID: DWR_RD0001_01_s_2012_1										
5	0.02	0.02	Earthen Levee	Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several burrows present	37.822511 °	37.822511 °	18
								-121.375857 °	-121.375857 °	Y
DWR ID: DWR_RD0001_01_s_2012_18										
6	0.03	0.03	Earthen Levee	Animal Control	WS	M	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 °	37.822403 °	4
								-121.375937 °	-121.375937 °	Y
DWR ID: DWR_RD0001_01_s_2012_4										
7	0.35	0.35	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	°	°	21
								°	°	Y
DWR ID: DWR_RD0001_01_s_2012_21										
8	0.39	0.39	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Inspector Comments: Irrigation intake through levee crown.	37.819651 °	37.819651 °	7
								-121.380467 °	-121.380467 °	Y
DWR ID: DWR_RD0001_01_s_2012_7										
9	0.66	0.66	Earthen Levee	Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.817249 °	37.817249 °	15
								-121.382026 °	-121.382026 °	Y
DWR ID: DWR_RD0001_01_s_2012_15										
10	0.67	0.67	Earthen Levee	Encroachments	LS A/W	PI : Pipe	Inspector Comments: Drainage discharge into Old River. No photo found from previous inspection. 04/26/2011 photo added.	37.817134 °	37.817134 °	20
								-121.382099 °	-121.382099 °	Y
DWR ID: DWR_RD0001_01_s_2012_20										
11	0.67	0.67	Earthen Levee	Animal Control	CR	M	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 °	37.817109 °	27
								-121.382192 °	-121.382192 °	Y
DWR ID: DWR_RD0001_01_s_2012_27										

<b>* Location</b> LS : Land Side 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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**Levee Inspection Report By Mile - Spring 2012**

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Unit No. 01 Old River	Right	1.15	05/24/2012 05/24/2012	Max 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	
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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Unit No. 01 Old River	Right	1.15	05/24/2012 05/24/2012	Max Khashchuk

Levee Mile Report Line	5
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_s_20120510_065.jpg	



Levee Mile Report Line	5
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_s_20120510_066.jpg	



Levee Mile Report Line	6
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_s_20120510_062.jpg	



<b>* Location</b> LS : Land Side 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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Unit No. 01 Old River	Right	1.15	05/24/2012 05/24/2012	Max Khashchuk

Levee Mile Report Line	7
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of acceptably controlled annual vegetation.  
05/24/2012

mkhashch\_s\_20120525\_392.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\_s\_20120510\_063.jpg



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\_s\_20120510\_064.jpg



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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_s_20120510_067.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.67
End Levee Mile	0.67
Location	Crown
Category	Earthen Levee
Item	Animal Control
04/26/2011 Deep vertical burrow in levee crown.	
mkhashch_s_20120510_068.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. 05/24/2012	
mkhashch_s_20120525_391.jpg	



<b>* Location</b> LS : Land Side 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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