

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2013 Levee Inspection Results**

Reclamation District No. 2107 Mossdale 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. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	2.37

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/04/2013 - 04/04/2013			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Robert Brown			

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 2013

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Left	2.37	04/04/2013 04/04/2013	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1				Flood Preparedness & Training		CR A Ma		° °	° °	5
DWR ID: DWR_RD2107_01_s_2013_5										
2				Emergency Supplies & Equipment		CR A Ma		° °	° °	7
DWR ID: DWR_RD2107_01_s_2013_7										
3				Operations & Maintenance Manuals		CR A Ma		° °	° °	8
DWR ID: DWR_RD2107_01_s_2013_8										
4	0.03	0.03		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.786993 ° -121.308694 °	37.786993 ° -121.308694 °	1 Y
DWR ID: DWR_RD2107_01_s_2012_1										
5	0.25	0.25		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.784316 ° -121.306498 °	37.784316 ° -121.306498 °	2 Y
DWR ID: DWR_RD2107_01_s_2012_2										
6	0.37	0.37		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.783233 ° -121.305125 °	37.783233 ° -121.305125 °	4 Y
DWR ID: DWR_RD2107_01_s_2012_4										
7	0.37	0.37		Slope Stability	WS	C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.783402 ° -121.304937 °	37.783402 ° -121.304937 °	3
DWR ID: DWR_RD2107_01_f_2012_3										
8	0.42	0.42		Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Large elderberry on water side slope.	37.782737 ° -121.304426 °	37.782737 ° -121.304426 °	54 Y
DWR ID: DWR_RD2107_01_s_2012_54										
9	0.68	0.68		Encroachments	CRA/W	En	PI : Pipe Inspector Comments: Irrigation intake pump. Steel pipe runs through base of levee.	37.779550 ° -121.301987 °	37.779550 ° -121.301987 °	6 Y
DWR ID: DWR_RD2107_01_s_2012_6										
10	0.76	0.76		Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	37.778819 ° -121.302848 °	37.778819 ° -121.302848 °	10 Y
DWR ID: DWR_RD2107_01_s_2013_10										
11	1.24	1.24		Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Landscaping and fence present on levee slope.	37.774123 ° -121.307189 °	37.774123 ° -121.307189 °	17 Y
DWR ID: DWR_RD2107_01_s_2012_17										
12	1.49	1.49		Encroachments	CRA/W	En	PI : Pipe Inspector Comments: Irrigation intake pump. Unable to locate closure valve/gate.	37.771636 ° -121.304773 °	37.771636 ° -121.304773 °	9 Y
DWR ID: DWR_RD2107_01_s_2012_9										
13	2.21	2.21		Encroachments	CRA/W	En	PI : Pipe Inspector Comments: Irrigation intake pipe through levee freeboard.	37.762868 ° -121.309708 °	37.762868 ° -121.309708 °	11 Y
DWR ID: DWR_RD2107_01_s_2012_11										

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	04/04/2013 04/04/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	
Item	Trim / Thin Trees
Photo of waterside slope. Stumps present from prior tree removal for access and visibility.	
mkhashch_s_20130225_627.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	
Item	Trim / Thin Trees
Tree stumps present on slope. They were left from prior vegetation removal for access and visibility.	
mkhashch_s_20130225_628.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	
Item	Trim / Thin Trees
Tree stumps and trunks on levee slope. Vehicle traffic on levee slope is an ongoing problem at this location due to the abandoned trailer park, access should be restricted.	
mkhashch_s_20130225_630.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	04/04/2013 04/04/2013	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Water Side
Category	
Item	Vegetation
03/26/2012 Large elderberry located on water side slope.	
mkhashch_s_20130225_634.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Crown
Category	
Item	Encroachments
Irrigation intake pipe runs through the base of the levee. Stand pipes on waterside and landside. A butterfly valve is located near waterside slope.	
mkhashch_s_20130225_631.JPG	



Levee Mile Report Line	10
Start Levee Mile	0.76
End Levee Mile	0.76
Location	Water Side
Category	
Item	Erosion / Bank Caving
View of the eroding waterside levee slope.	
mkhashch_s_20130410_701.JPG	



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Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	04/04/2013 04/04/2013	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Land Side
Category	
Item	Vegetation
Fall 2009 photo of landscape planting on landside levee slope and a 3-ft yard fence at the levee toe.	
mkhashch_s_20130225_633.jpg	



Levee Mile Report Line	12
Start Levee Mile	1.49
End Levee Mile	1.49
Location	Crown
Category	
Item	Encroachments
Irrigation intake pipe through levee freeboard.	
mkhashch_s_20130225_632.jpg	



Levee Mile Report Line	13
Start Levee Mile	2.21
End Levee Mile	2.21
Location	Crown
Category	
Item	Encroachments
View of the pipe location; alignment through levee.	
mkhashch_s_20130410_702.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles
Unit No. 02 Paradise Cut		Right	1.84

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/04/2013 - 04/04/2013			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Robert Brown			

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Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut			Right	1.84	04/04/2013 04/04/2013	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.50	0.50	Vegetation		WS Ma	M	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush on waterside.	37.764780 ° -121.316717 °	37.764780 ° -121.316717 °	4 Y
DWR ID: DWR_RD2107_02_s_2012_4										
2	0.55	0.55	Encroachments		CR En	A/W	PI : Pipe Inspector Comments: Drainage discharge pump and pipe through levee freeboard.	37.764831 ° -121.317446 °	37.764831 ° -121.317446 °	2 Y
DWR ID: DWR_RD2107_02_s_2012_2										
3	0.84	0.84	Trim / Thin Trees		WS Ma	N	T5 : Tree stumps.	37.767792 ° -121.321220 °	37.767792 ° -121.321220 °	5 Y
DWR ID: DWR_RD2107_02_s_2012_5										
4	1.06	1.06	Animal Control		WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.770322 ° -121.323122 °	37.770322 ° -121.323122 °	6 Y
DWR ID: DWR_RD2107_02_f_2012_6										
5	1.07	1.07	Vegetation		LS Ma	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.770353 ° -121.323362 °	37.770353 ° -121.323362 °	10 Y
DWR ID: DWR_RD2107_02_s_2013_10										
6	1.39	1.39	Encroachments		LS Ma	C	PR : Prunings	37.773085 ° -121.327990 °	37.773085 ° -121.327990 °	8 Y
DWR ID: DWR_RD2107_02_f_2012_8										
7	1.54	1.54	Encroachments		LS En	A/W	PI : Pipe Inspector Comments: Irrigation Pipe	37.774418 ° -121.330060 °	37.774418 ° -121.330060 °	9 Y
DWR ID: DWR_RD2107_02_f_2012_9										

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	04/04/2013 04/04/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	
Item	Vegetation
Elderberry located on waterside slope.	
mkhashch_s_20130225_637.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.55
End Levee Mile	0.55
Location	Crown
Category	
Item	Encroachments
Drainage discharge pump. Steel pipe penetrates levee freeboard. No flapgate on waterside. No closure device.	
mkhashch_s_20130225_635.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.55
End Levee Mile	0.55
Location	Crown
Category	
Item	Encroachments
View of siphon breaker causing some erosion on slope.	
mkhashch_s_20130225_636.JPG	



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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	04/04/2013 04/04/2013	Maksim Khashchuk

Levee Mile Report Line	3
Start Levee Mile	0.84
End Levee Mile	0.84
Location	Water Side
Category	
Item	Trim / Thin Trees
Tree stumps on levee slope.	
mkhashch_s_20130225_638.jpg	



Levee Mile Report Line	4
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Water Side
Category	
Item	Animal Control
View of large burrow on waterside slope.	
mkhashch_s_20130225_639.JPG	



Levee Mile Report Line	5
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Land Side
Category	
Item	Vegetation
View of acceptable vegetation management.	
mkhashch_s_20130410_703.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	04/04/2013 04/04/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	
Item	Encroachments
View of irrigation pipe and canal.	
mkhashch_s_20130225_641.JPG	



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