

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

Reclamation District No. 2094 Wathal

	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. 2094 Wathal

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Right	2.82

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/15/2013 - 03/15/2013			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Brian Mizuno RD 2094			

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. 2094 Wathal

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	2.82	03/15/2013 03/15/2013	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	WS	A Ma		°	°	10
								DWR ID: DWR_RD2094_01_s_2013_10		
2				Emergency Supplies & Equipment	WS	A Ma		°	°	11
								DWR ID: DWR_RD2094_01_s_2013_11		
3				Operations & Maintenance Manuals	WS	A Ma		°	°	12
								DWR ID: DWR_RD2094_01_s_2013_12		
4	0.00	0.00		Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.771750 ° -121.298421 °	37.771750 ° -121.298421 °	7 Y
								DWR ID: DWR_RD2094_01_s_2013_7		
5	0.00	0.00		Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.771750 ° -121.298422 °	37.771750 ° -121.298422 °	6 Y
								DWR ID: DWR_RD2094_01_s_2013_6		
6	0.10	0.10		Encroachments	WS	M En	RA : Ramp Inspector Comments: An access ramp has been built on the water side and extends into the channel. This could potentially alter the channel capacity. This item was also noted in the USACE comments.	37.771685 ° -121.300239 °	37.771685 ° -121.300239 °	4 Y
								DWR ID: DWR_RD2094_01_s_2012_4		
7	0.18	0.18		Slope Stability	WS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.770686 ° -121.300844 °	37.770686 ° -121.300844 °	13 Y
								DWR ID: DWR_RD2094_01_s_2013_13		
8	0.27	0.27		Slope Stability	LS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.769353 ° -121.300893 °	37.769353 ° -121.300893 °	8 Y
								DWR ID: DWR_RD2094_01_s_2013_8		
9	0.66	0.66		Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: 14" steel irrigation intake with sluice gate.	37.767505 ° -121.294902 °	37.767505 ° -121.294902 °	1 Y
								DWR ID: DWR_RD2094_01_s_2012_1		
10	1.26	1.26		Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: 20" irrigation intake, sluice gate on water side hinge point.	37.760574 ° -121.297365 °	37.760574 ° -121.297365 °	2 Y
								DWR ID: DWR_RD2094_01_s_2012_2		
11	2.29	2.29		Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: 20" steel rrigation intake.	37.752225 ° -121.296431 °	37.752225 ° -121.296431 °	3 Y
								DWR ID: DWR_RD2094_01_s_2012_3		

* 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 Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	03/15/2013 03/15/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Vegetation
View of acceptable vegetation on the landside slope.	
mkhashch_s_20130315_643.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	
Item	Vegetation
View of acceptable vegetation on the waterside slope.	
mkhashch_s_20130315_642.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	
Item	Encroachments
11/09/2011 Tire marks shown onto the ramp from levee. Raised area extends to the trees in the background in the center of the photo.	
mkhashch_s_20130225_567.jpg	



* 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 - Spring 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	03/15/2013 03/15/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	
Item	Slope Stability
View of vehicle tire tracks on slope of levee.	
mkhashch_s_20130315_644.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.27
End Levee Mile	0.27
Location	Land Side
Category	
Item	Slope Stability
View of tractor tracks on slope of levee.	
mkhashch_s_20130315_645.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	
Item	Encroachments
Irrigation intake on the San Joaquin River. Positive closure device (sliuce gate) on water side hinge points. Pipe is through the freeboard portion of levee. Concrete stand pipe is shown beyond landside toe.	
mkhashch_s_20130225_565.jpg	



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Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	03/15/2013 03/15/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Water Side
Category	
Item	Encroachments

View of the irrigation pipe at the landside toe.

mkhashch_s_20130225_566.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River		0.46

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/15/2013 - 03/15/2013			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Brian Mizuno RD 2094			

Summer & Winter Inspections

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Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	03/15/2013 03/15/2013	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.01		Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.759278 °	37.759278 °	1
					Ma			-121.299806 °	-121.299806 °	Y

DWR ID: DWR_RD2094_02_s_2013_1

* 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 - Spring 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	03/15/2013 03/15/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	
Item	Vegetation

View of acceptable vegetation on the levee slopes.

mkhashch_s_20130315_646.JPG



* 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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