

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2094	Overall LMA Rating	Total LMA Miles							
Reclamation District No. 2094 Wathal	A	3.28							
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>									
Encroachments					0.01				
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00	
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles							
RD2094	A	2.82							
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>									
Encroachments					0.01				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00	
Unit No. 02 San Joaquin River	Overall Unit Rating	Total Unit Miles							
RD2094	A	0.46							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
No Items									
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%					

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

** 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

Fall 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)			A	
Date of Inspection	03/15/2013 - 03/15/2013		10/23/2013 - 10/23/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Brian Mizuno RD 2094		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 - Fall 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	10/23/2013 10/23/2013	Maksim Khashchuk

LMIR 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	WS	A Ma		°	°	10
								DWR ID: DWR_RD2094_01_s_2013_10		
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	11
								DWR ID: DWR_RD2094_01_s_2013_11		
3			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	12
								DWR ID: DWR_RD2094_01_s_2013_12		
4	0.10	0.10	Earthen Levee	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		
5	0.18	0.18	Earthen Levee	Slope Stability	WS	C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.770686 ° -121.300844 °	37.770686 ° -121.300844 °	13
								DWR ID: DWR_RD2094_01_s_2013_13		
6	0.27	0.27	Earthen Levee	Slope Stability	LS	C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.769353 ° -121.300893 °	37.769353 ° -121.300893 °	8
								DWR ID: DWR_RD2094_01_s_2013_8		
7	0.66	0.66	Earthen Levee	Encroachments	WSA/W	En	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		
8	0.69	0.69	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.767215 ° -121.294634 °	37.767215 ° -121.294634 °	6 Y
								DWR ID: DWR_RD2094_01_f_2013_6		
9	1.26	1.26	Earthen Levee	Encroachments	WSA/W	En	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		
10	2.29	2.29	Earthen Levee	Encroachments	WSA/W	En	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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	10/23/2013 10/23/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Encroachments
<p>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.</p>	
<p>mkhashch_f_20130923_486.jpg</p>	



Levee Mile Report Line	7
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Earthen Levee
Item	Encroachments
<p>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.</p>	
<p>mkhashch_f_20130923_484.jpg</p>	



Levee Mile Report Line	8
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Water Side
Category	Earthen Levee
Item	Vegetation
<p>View of acceptable vegetation control on levee slopes.</p>	
<p>mkhashch_f_20131028_700.JPG</p>	



<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>
---	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	10/23/2013 10/23/2013	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the irrigation pipe at the landside toe.

mkhashch_f_20130923_485.JPG



Levee Mile Report Line	10
Start Levee Mile	2.29
End Levee Mile	2.29
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the pipe daylighting on the landside levee slope.

mkhashch_f_20131028_701.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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 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)			A
Date of Inspection	03/15/2013 - 03/15/2013		10/23/2013 - 10/23/2013
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk
Accompanied By	Brian Mizuno RD 2094		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 - Fall 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	10/23/2013 10/23/2013	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.44	Earthen Levee	Vegetation	WS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.759310 °	37.760589 °	1
						Ma		-121.299890 °	-121.306968 °	Y

DWR ID: DWR_RD2094_02_f_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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	10/23/2013 10/23/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of acceptable vegetation control on levee slopes.	
mkhashch_f_20131028_702.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
--	---	---