

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

Reclamation District No. 2092 Dos Rios

	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. 2092 Dos Rios

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	3.76

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/18/2013 - 04/18/2013			
DWR Inspector	Pavel Kazi			
Accompanied By	Steve Sheppard River Partner			

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. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	04/18/2013 04/18/2013	Pavel Kazi

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1				Flood Preparedness & Training	LS	M Ma	Inspector Comments: River Partner crews were never trained to fight a flood, but they will attend the next flood fighting class offer in their area. A few of the members in the company have already been through a few flood events and received proper training.	°	°	18
								DWR ID: DWR_RD2092_01_f_2012_18		
2				Operations & Maintenance Manuals	LS	A Ma	Inspector Comments: They have the latest O&M manual for their district.	°	°	24
								DWR ID: DWR_RD2092_01_s_2012_24		
3				Emergency Supplies & Equipment	LS	A Ma	Inspector Comments: They have adequate flood fighting supplies.	°	°	26
								DWR ID: DWR_RD2092_01_s_2012_26		
4	0.38	0.70		Encroachments	WS	C En	DT : Ditch	37.601304 ° -121.164659 °	37.598233 ° -121.167937 °	4
								DWR ID: DWR_RD2092_01_s_2012_4		
5	0.70	2.73		Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.598202 ° -121.167958 °	37.576188 ° -121.157221 °	1 Y
								DWR ID: DWR_RD2092_01_s_2013_1		
6	0.77	0.77		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: The LMA will remove the tree stump from the waterside slope of the levee.	37.597260 ° -121.168504 °	37.597260 ° -121.168504 °	6 Y
								DWR ID: DWR_RD2092_01_s_2013_6		
7	0.77	1.33		Encroachments	LS	M En	DT : Ditch	37.597291 ° -121.168496 °	37.590568 ° -121.164028 °	968 Y
								DWR ID: DWR_RD2092_01_s_2012_968		
8	1.04	1.04		Encroachments	LS	C Ma	ST : Stairway	37.593726 ° -121.167011 °	37.593726 ° -121.167011 °	5
								DWR ID: DWR_RD2092_01_f_2012_5		
9	1.34	1.57		Encroachments	LS	M En	DT : Ditch	37.590479 ° -121.163844 °	37.587758 ° -121.162349 °	7 Y
								DWR ID: DWR_RD2092_01_s_2012_7		
10	1.34	1.34		Encroachments	LS	A/W Ma	PI : Pipe Inspector Comments: A sand boil appeared on the landside toe of the levee because of an underground pipe leakage. The pipe and boil have been repaired but should be monitored.	37.590467 ° -121.163822 °	37.590467 ° -121.163822 °	10 Y
								DWR ID: DWR_RD2092_01_s_2012_10		
11	1.37	1.37		Slope Stability	LS	M Ma	S1 : Repair slope instability.	37.590287 ° -121.163414 °	37.590287 ° -121.163414 °	9 Y
								DWR ID: DWR_RD2092_01_s_2013_9		
12	1.47	1.47		Animal Control	LS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.589053 ° -121.162168 °	37.589053 ° -121.162168 °	13
								DWR ID: DWR_RD2092_01_s_2012_13		
13	1.59	1.87		Encroachments	WS	M En	DT : Ditch	37.587575 ° -121.162454 °	37.584057 ° -121.162387 °	8 Y
								DWR ID: DWR_RD2092_01_s_2012_8		

* 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. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	04/18/2013 04/18/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	1.96	1.96	Animal Control	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.584409 ° -121.160587 °	37.584409 ° -121.160587 °	11 Y
DWR ID: DWR_RD2092_01_s_2013_11										
15	2.07	2.07	Animal Control	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.584295 ° -121.158809 °	37.584295 ° -121.158809 °	971 Y
DWR ID: DWR_RD2092_01_s_2012_971										
16	2.13	2.13	Animal Control	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.584014 ° -121.157849 °	37.584014 ° -121.157849 °	20 Y
DWR ID: DWR_RD2092_01_f_2012_20										
17	2.13	2.13	Animal Control	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.584014 ° -121.157849 °	37.584014 ° -121.157849 °	31 Y
DWR ID: DWR_RD2092_01_f_2012_31										
18	2.62	2.62	Slope Stability	Slope Stability	LS Ma	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.577864 ° -121.157070 °	37.577864 ° -121.157070 °	35 Y
DWR ID: DWR_RD2092_01_f_2012_35										
19	2.84	3.09	Encroachments	Encroachments	LS En	M	FE : Fence Inspector Comments: Barbed wire fence on landward slope.	37.574973 ° -121.156647 °	37.574001 ° -121.152183 °	972 Y
DWR ID: DWR_RD2092_01_s_2012_972										

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

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Unit No. 01 San Joaquin River	Right	3.76	04/18/2013 04/18/2013	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.70
End Levee Mile	2.73
Location	Water Side
Category	
Item	Vegetation
Vegetation on the waterside slope of the levee looking upstream.	
pkazi_s_20130419_896.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.77
End Levee Mile	0.77
Location	Water Side
Category	
Item	Trim / Thin Trees
A damaged cottonwood was found on the waterside slope of the levee looking upstream. The LMA will be removing the remaining portion of the tree including the stump.	
pkazi_s_20130419_897.JPG	



Levee Mile Report Line	7
Start Levee Mile	0.77
End Levee Mile	1.33
Location	Land Side
Category	
Item	Encroachments
View of agricultural ditch at the landward toe looking upstream.	
pkazi_s_20130404_834.jpg	



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Levee Mile Report Line	9
Start Levee Mile	1.34
End Levee Mile	1.57
Location	Land Side
Category	
Item	Encroachments
<p>An agricultural ditch was found on the toe of the landside of the levee looking upstream.</p>	
<p>pkazi_s_20130404_826.jpg</p>	



Levee Mile Report Line	10
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	
Item	Encroachments
<p>A sand boil was found on the landside of the levee. It was caused by a pipe leak couple of feet below the boil location. LMA was notified to repair it as soon as possible. The picture was taken from the crown looking upstream.</p>	
<p>pkazi_s_20130404_828.jpg</p>	



Levee Mile Report Line	10
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	
Item	Encroachments
<p>During spring inspection 2012, the sand boil was not active but materials were present on the landside toe of the levee. The sand boil occurred due to an underground irrigation pipe leakage. The picture was taken from the crown looking toward the toe of the levee. The area was repaired but should be monitored.</p>	
<p>pkazi_s_20130404_829.jpg</p>	



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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Levee Mile Report Line	11
Start Levee Mile	1.37
End Levee Mile	1.37
Location	Land Side
Category	
Item	Slope Stability
Slope instability was caused by runoff on the landside slope of the levee looking upstream.	
pkazi_s_20130419_898.JPG	



Levee Mile Report Line	13
Start Levee Mile	1.59
End Levee Mile	1.87
Location	Water Side
Category	
Item	Encroachments
View of an agricultural ditch at the waterward toe of the slope.	
pkazi_s_20130404_827.jpg	



Levee Mile Report Line	14
Start Levee Mile	1.96
End Levee Mile	1.96
Location	Land Side
Category	
Item	Animal Control
Animal holes were found on the landside slope of the levee looking upstream.	
pkazi_s_20130419_899.JPG	



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Levee Mile Report Line	14
Start Levee Mile	1.96
End Levee Mile	1.96
Location	Land Side
Category	
Item	Animal Control
Updated picture of the animal holes on the landside slope of the levee looking upstream.	
pkazi_s_20130419_900.JPG	



Levee Mile Report Line	15
Start Levee Mile	2.07
End Levee Mile	2.07
Location	Land Side
Category	
Item	Animal Control
View of rodent holes in the landward shoulder looking upstream.	
pkazi_s_20130404_835.jpg	



Levee Mile Report Line	15
Start Levee Mile	2.07
End Levee Mile	2.07
Location	Land Side
Category	
Item	Animal Control
View of a rodent hole on the landside shoulder of the levee looking downstream.	
pkazi_s_20130404_836.jpg	



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Unit No. 01 San Joaquin River	Right	3.76	04/18/2013 04/18/2013	Pavel Kazi

Levee Mile Report Line	16
Start Levee Mile	2.13
End Levee Mile	2.13
Location	Water Side
Category	
Item	Animal Control
Rodent holes were found on the waterside toe of the levee looking upstream.	
pkazi_s_20130404_831.jpg	



Levee Mile Report Line	17
Start Levee Mile	2.13
End Levee Mile	2.13
Location	Land Side
Category	
Item	Animal Control
Rodent holes were found on the landside slope of the levee looking upstream.	
pkazi_s_20130404_832.jpg	



Levee Mile Report Line	18
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Land Side
Category	
Item	Slope Stability
Slope instability was found due to vehicular traffic on the landside shoulder of levee looking upstream.	
pkazi_s_20130404_833.jpg	



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Levee Inspection Report By Mile - Spring 2013

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	04/18/2013 04/18/2013	Pavel Kazi

Levee Mile Report Line	19
Start Levee Mile	2.84
End Levee Mile	3.09
Location	Land Side
Category	
Item	Encroachments
View of barbed wire fence along the waterward slope looking upstream.	
pkazi_s_20130404_837.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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