

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	10/24/2014 10/24/2014	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2092_01_f_2012_18				
Action/Comments					
Inspector Comments: River Partner crews will attend the upcoming flood fighting class offered in their area. A few members of the company have already been through a few flood events and received proper training.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2092_01_s_2012_24				
Action/Comments					
Inspector Comments: They have the latest O&M manual for their district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	26
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2092_01_s_2012_26				
Action/Comments					
Inspector Comments: LMA has adequate flood fighting supplies.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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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Unit No. 01 San Joaquin River	Right	3.71	10/24/2014 10/24/2014	Pavel Kazi

LM Start	0.17	Rating **	A	Issue No.	51
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.602073 °	37.602073 °
				-121.161179 °	-121.161179 °
DWR ID	DWR_RD2092_01_s_2014_51				
Action/Comments					
Pipe					
Inspector Comments: A flap gate is installed at the end of the pipe.					

Photo 1 of 2 : FA_2014_RD2092_116_51_20141120_00021.jpg



A flap gate was installed at the end of the pipe on the waterside of the levee.

LM Start	0.17	Rating **	A	Issue No.	51 (cont)
LM End	0.17	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD2092_116_51_20141021_00008.jpg



A flap gate is needed at the end of the pipe on the waterside of the levee.

LM Start	0.61	Rating **	A	Issue No.	19
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.599069 °	37.599069 °
				-121.167228 °	-121.167228 °
DWR ID	DWR_RD2092_01_f_2014_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD2092_116_19_20141027_00019.jpg



View of the waterside slope of the levee looking upstream during fall 2014 inspection.

*** Location**

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**** Rating**

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+ Issue Type

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LM Start	1.07	Rating **	A	Issue No.	3
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.593403 °	37.593403 °
				-121.166750 °	-121.166750 °
DWR ID	DWR_RD2092_01_s_2014_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA fixed the issue.					

Photo 1 of 2 : FA_2014_RD2092_116_3_20141027_00020.jpg



LMA repaired the rodent holes on the landside shoulder of the levee during fall 2014 inspection.

LM Start	1.07	Rating **	A	Issue No.	3 (cont)
LM End	1.07	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD2092_116_3_20141021_00001.jpg



Rodent holes were found on the landside shoulder of the levee looking downstream.

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CR : Crown

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Unit No. 01 San Joaquin River	Right	3.71	10/24/2014 10/24/2014	Pavel Kazi

LM Start	1.34	Rating **	A/W	Issue No.	10
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.590467 °	37.590467 °
				-121.163822 °	-121.163822 °
DWR ID	DWR_RD2092_01_s_2012_10				

Action/Comments

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.

Photo 1 of 2 : FA_2014_RD2092_116_10_20141021_00004.jpg



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.

LM Start	1.34	Rating **	A/W	Issue No.	10 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD2092_116_10_20141021_00005.jpg



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.

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LM Start	2.73	Rating **	C	Issue No.	17
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.576383 °	37.576383 °
				-121.157208 °	-121.157208 °
DWR ID	DWR_RD2092_01_f_2013_17				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA fixed the issue.					

No Photos

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