

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2016 04/07/2016	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		o	o	o
DWR ID	DWR_RD2092_01_f_2012_18				
Comment Code					
Inspector Comment					
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		o	o	o
DWR ID	DWR_RD2092_01_s_2012_24				
Comment Code					
Inspector Comment					
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		o	o	o
DWR ID	DWR_RD2092_01_s_2012_26				
Comment Code					
Inspector Comment					
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	04/07/2016 04/07/2016	Pavel Kazi

LM Start	0.47	Rating **	A	Issue No.	2
LM End	0.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.601056 °	37.601056 °	
			-121.166305 °	-121.166305 °	
DWR ID	DWR_RD2092_01_s_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_2_20160408_00032.jpg



View of acceptable vegetation on the landside of the levee.

LM Start	0.65	Rating **	M	Issue No.	13
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.598640 °	37.598640 °	
			-121.167578 °	-121.167578 °	
DWR ID	DWR_RD2092_01_s_2016_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_13_20160408_00033.jpg



View of rodent holes on the landside of the levee looking upstream.

LM Start	1.20	Rating **	C	Issue No.	14
LM End	1.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.591406 °	37.591406 °	
			-121.165624 °	-121.165624 °	
DWR ID	DWR_RD2092_01_f_2015_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2016 04/07/2016	Pavel Kazi

LM Start	1.21	Rating **	M	Issue No.	15
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.591293 °	37.591293 °	
			-121.165434 °	-121.165434 °	
DWR ID	DWR_RD2092_01_s_2016_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_15_20160408_00034.jpg



View of rodent holes on the landside of the levee.

LM Start	1.32	Rating **	A/W	Issue No.	10
LM End	1.32	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				
Comment Code					
PI : Pipe					
Inspector Comment					
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 : SP_2016_RD2092_116_10_20160219_00003.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.

* 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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LM Start	1.32	Rating **	A/W	Issue No.	10 (cont)
LM End	1.32	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				
Comment Code					
PI : Pipe					
Inspector Comment					
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 2 of 2 : SP_2016_RD2092_116_10_20160219_00004.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.

LM Start	1.56	Rating **	A	Issue No.	16
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.587590 °	37.587590 °	
			-121.162455 °	-121.162455 °	
DWR ID	DWR_RD2092_01_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_16_20160408_00035.jpg



View of the acceptable vegetation on the waterside of the levee.

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Unit No. 01 San Joaquin River	Right	3.71	04/07/2016 04/07/2016	Pavel Kazi

LM Start	2.39	Rating **	M	Issue No.	17
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.580628 °	37.580628 °	
			-121.156624 °	-121.156624 °	
DWR ID	DWR_RD2092_01_s_2016_17				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion due to runoff					

Photo 1 of 1 : SP_2016_RD2092_116_17_20160408_00036.jpg



View of an erosion caused by runoff on the waterside slope of the levee.

LM Start	2.66	Rating **	C	Issue No.	21
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.576688 °	37.576688 °	
			-121.157197 °	-121.157197 °	
DWR ID	DWR_RD2092_01_f_2015_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.68	Rating **	M	Issue No.	29
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.576451 °	37.576451 °	
			-121.157208 °	-121.157208 °	
DWR ID	DWR_RD2092_01_s_2016_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_29_20160408_00037.jpg



View of rodent holes on the landside shoulder of the levee looking downstream.

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LM Start	2.70	Rating **	M	Issue No.	19
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.576165 °	37.576165 °	
			-121.157230 °	-121.157230 °	
DWR ID	DWR_RD2092_01_s_2015_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_19_20160219_00006.jpg



A rodent hole was found on the landside toe of the levee looking downstream.

LM Start	2.73	Rating **	U	Issue No.	30
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.575743 °	37.575743 °	
			-121.157237 °	-121.157237 °	
DWR ID	DWR_RD2092_01_s_2016_30				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2092_116_30_20160408_00038.jpg



View of multiple rodent holes on the waterside of the levee looking upstream.

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