

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0001 Union Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.14	10/27/2014 10/27/2014	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0001_01_s_2013_6				
Action/Comments					
Inspector Comments: The LMA has current flood fighting training and an emergency plan.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0001_01_s_2013_8				
Action/Comments					
Inspector Comments: The LMA has emergency supplies on-site.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0001_01_s_2013_9				
Action/Comments					
Inspector Comments: The LMA has a copy of the O&M Manual available at the office.					

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 Old River	Right	1.14	10/27/2014 10/27/2014	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.822306 °	37.822306 °	
			-121.375304 °	-121.375304 °	
DWR ID					
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/20/2013: No significant change at this site. 08/07/2012: The erosion is at the confluence of Old River and one of its tributary. [2014 Site ID:RD0001U01RM31.4]					

Photo 1 of 1 : SJR2014_RD0001U01RM31.4_1.jpg



Close view of the erosion.

LM Start	0.02	Rating **	M	Issue No.	18
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.822511 °	37.822511 °	
			-121.375857 °	-121.375857 °	
DWR ID	DWR_RD0001_01_s_2012_18				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several burrows present					

Photo 1 of 1 : FA_2014_RD0001_23_18_20141027_00019.jpg



View of the largest burrow on the landside levee shoulder.

LM Start	0.16	Rating **	N	Issue No.	12
LM End	0.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.821376 °	37.821376 °	
			-121.378044 °	-121.378044 °	
DWR ID	DWR_RD0001_01_s_2014_12				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2014_RD0001_23_12_20141001_00009.jpg



View of the tree stump on the waterside levee slope.

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Unit No. 01 Old River	Right	1.14	10/27/2014 10/27/2014	Maksim Khashchuk

LM Start	0.20	Rating **	M	Issue No.	5
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.820989 °	37.820989 °	
			-121.378174 °	-121.378174 °	
DWR ID	DWR_RD0001_01_s_2013_5				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2014_RD0001_23_5_20141001_00004.jpg



View of the erosion on the landside levee slope.

LM Start	0.23	Rating **	M	Issue No.	11
LM End	0.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.820362 °	37.820362 °	
			-121.378359 °	-121.378359 °	
DWR ID	DWR_RD0001_01_s_2014_11				
Action/Comments					
Material Inspector Comments: Stockpiled riprap on levee crown.					

Photo 1 of 1 : FA_2014_RD0001_23_11_20141001_00008.jpg



View of the riprap stockpiled on the levee crown.

LM Start	0.50	Rating **	M	Issue No.	4
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.818014 °	37.818014 °	
			-121.379829 °	-121.379829 °	
DWR ID	DWR_RD0001_01_f_2014_4				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2014_RD0001_23_4_20141027_00018.jpg



View of the scour from surface runoff on the landside levee slope.

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Unit No. 01 Old River	Right	1.14	10/27/2014 10/27/2014	Maksim Khashchuk

LM Start	0.53	Rating **	M	Issue No.	14
LM End	0.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.817651 °	37.817651 °	
			-121.379898 °	-121.379898 °	
DWR ID	DWR_RD0001_01_s_2014_14				
Action/Comments					
Material Inspector Comments: Riprap stockpiled on levee crown.					

Photo 1 of 1 : FA_2014_RD0001_23_14_20141001_00010.jpg



View of the riprap stockpiled on the levee crown.

LM Start	0.66	Rating **	M	Issue No.	15
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.817249 °	37.817249 °	
			-121.382026 °	-121.382026 °	
DWR ID	DWR_RD0001_01_s_2012_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_RD0001_23_15_20141001_00011.jpg



Rodent holes on levee slope.

LM Start	0.67	Rating **	C	Issue No.	27
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.817114 °	37.815070 °	
			-121.382203 °	-121.382486 °	
DWR ID	DWR_RD0001_01_f_2013_27				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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Unit No. 01 Old River	Right	1.14	10/27/2014 10/27/2014	Maksim Khashchuk

LM Start	0.93	Rating **	M	Issue No.	25
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.814013 °	37.811775 °	
			-121.383700 °	-121.384764 °	
DWR ID	DWR_RD0001_01_f_2013_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0001_23_25_20141027_00017.jpg



View of the tall vegetation obstructing visibility on the landside levee slope.

LM Start	1.09	Rating **	C	Issue No.	3
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.812021 °	37.812021 °	
			-121.384020 °	-121.384020 °	
DWR ID	DWR_RD0001_01_s_2013_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	1.12	Rating **	M	Issue No.	26
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.811896 °	37.811896 °	
			-121.384370 °	-121.384370 °	
DWR ID	DWR_RD0001_01_s_2014_26				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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