

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0001 Union Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.14	11/05/2019 11/05/2019	Alberto De Leon

LM Start		Rating **	A	Issue No.	<b>6</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0001_01_s_2013_6				
Comment Code					
Inspector Comment					
The LMA has attended a flood fight training class in the past few years. They do have an emergency plan.					

No Photos

LM Start		Rating **	A	Issue No.	<b>8</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD0001_01_s_2013_8				
Comment Code					
Inspector Comment					
The LMA has emergency supplies on-site.					

No Photos

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

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Old River	Right	1.14	11/05/2019 11/05/2019	Alberto De Leon

LM Start	<b>0.00</b>	Rating **	C	Issue No.	<b>13</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.822306°	37.822306°
				-121.375304°	-121.375304°
DWR ID	RD0001U01RM31.4				
Comment Code					
Inspector Comment					
Site ID: RD0001U01RM31.4 08/14/2019: No new erosion was found at the repaired site. 09/13/2017: The erosion site has been repaired. No new erosion was found at the repaired site. 07/25/2016: No significant change observed. 06/25/2015: No significant change observed. 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.					

No Photos

LM Start	<b>0.15</b>	Rating **	C	Issue No.	<b>23</b>
LM End	<b>0.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821610°	37.821610°
				-121.377962°	-121.377962°
DWR ID	DWR_RD0001_01_s_2019_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
A large rodent hole is located on the landside shoulder. It is approximately 3 ft. x 2 ft. and needs to be repaired. (Spring 2019)					

No Photos

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LM Start	<b>0.21</b>	Rating **	C	Issue No.	<b>18</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.820806°	37.820806°
				-121.378260°	-121.378260°
DWR ID	DWR_RD0001_01_s_2017_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	<b>0.25</b>	Rating **	A	Issue No.	<b>12</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820297°	37.820297°
				-121.378509°	-121.378509°
DWR ID	DWR_RD0001_01_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained.					

Photo 1 of 1 : FA\_2019\_RD0001\_23\_12\_20191111\_00024.jpg



View of vegetation on landside slope. Fall 2019

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Unit No. 01 Old River	Right	1.14	11/05/2019 11/05/2019	Alberto De Leon

LM Start	<b>0.44</b>	Rating **	C	Issue No.	<b>14</b>
LM End	<b>0.44</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818898°	37.818898°
				-121.380332°	-121.380332°
DWR ID	DWR_RD0001_01_s_2016_14				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There is an active rodent den the size of a coyote or fox.					

No Photos

LM Start	<b>0.45</b>	Rating **	C	Issue No.	<b>10</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818753°	37.818753°
				-121.380249°	-121.380249°
DWR ID	DWR_RD0001_01_s_2016_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill the rodent hole and compact levee slope with acceptable levee fill.					

No Photos

LM Start	<b>0.51</b>	Rating **	C	Issue No.	<b>5</b>
LM End	<b>0.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.818003°	37.818003°
				-121.379845°	-121.379845°
DWR ID	DWR_RD0001_01_f_2015_5				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
About a 1 ft. vertical cut is observed at the landside levee toe. Repair the landside levee toe per O&M standards.					

No Photos

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LM Start	<b>0.52</b>	Rating **	C	Issue No.	<b>7</b>
LM End	<b>0.52</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.817825 °	37.817825 °
				-121.379811 °	-121.379811 °
DWR ID	DWR_RD0001_01_s_2016_7				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	<b>0.76</b>	Rating **	C	Issue No.	<b>4</b>
LM End	<b>0.76</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815881 °	37.815881 °
				-121.382704 °	-121.382704 °
DWR ID	DWR_RD0001_01_f_2015_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
A large burrow hole on landside slope has been backfilled and compacted. Fall 2019					

No Photos

LM Start	<b>1.08</b>	Rating **	C	Issue No.	<b>3</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.812023 °	37.812023 °
				-121.383961 °	-121.383961 °
DWR ID	DWR_RD0001_01_s_2016_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damaged caused by vehicle traffic by placing and compacting acceptable levee material.					

No Photos

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