

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	03/19/2020 03/19/2020	Alberto De Leon

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>1</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0017_01_s_2013_1				
Comment Code					
Inspector Comment					
LMA has a copy of the manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>2</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0017_01_s_2013_2				
Comment Code					
Inspector Comment					
LMA has adequate flood fight supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0017_01_s_2013_3				
Comment Code					
Inspector Comment					
District staff are involved in training sponsored by DWR.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

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Unit No. 01 French Camp Slough	Left	1.76	03/19/2020 03/19/2020	Alberto De Leon

LM Start	<b>0.23</b>	Rating **	C	Issue No.	<b>9</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.913438 °	37.913438 °	
			-121.294178 °	-121.294178 °	
DWR ID	DWR_RD0017_01_f_2019_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.28</b>	Rating **	C	Issue No.	<b>10</b>
LM End	<b>0.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.913466 °	37.913466 °	
			-121.295092 °	-121.295092 °	
DWR ID	DWR_RD0017_01_f_2019_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.50</b>	Rating **	C	Issue No.	<b>11</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.912851 °	37.912851 °	
			-121.298940 °	-121.298940 °	
DWR ID	DWR_RD0017_01_f_2019_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					

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	N : Not Inspected/Rated 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 French Camp Slough	Left	1.76	03/19/2020 03/19/2020	Alberto De Leon

LM Start	1.02	Rating **	A	Issue No.	12
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915650 °	37.915650 °
				-121.307253 °	-121.307253 °
DWR ID	DWR_RD0017_01_s_2020_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0017\_303\_12\_20200323\_00018.jpg



Typical view of well maintained vegetation on landside slope. Spring 2020

LM Start	1.02	Rating **	A	Issue No.	13
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915650 °	37.915650 °
				-121.307254 °	-121.307254 °
DWR ID	DWR_RD0017_01_s_2020_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0017\_303\_13\_20200323\_00019.jpg



Typical view of well maintained vegetation on waterside slope. Spring 2020

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**+ Issue Type**  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	<b>1.93</b>	Rating **	C	Issue No.	<b>83</b>
LM End	<b>1.96</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.890805 °	37.890413 °
				-121.327952 °	-121.328218 °
DWR ID	DWR_RD0017_02_s_2018_83				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.05</b>	Rating **	C	Issue No.	<b>88</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.889225 °	37.889225 °
				-121.328881 °	-121.328881 °
DWR ID	DWR_RD0017_02_s_2019_88				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.19</b>	Rating **	C	Issue No.	<b>89</b>
LM End	<b>2.19</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.887481 °	37.887481 °
				-121.329877 °	-121.329877 °
DWR ID	DWR_RD0017_02_s_2019_89				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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	N : Not Inspected/Rated 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	2.25	Rating **	A	Issue No.	67
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.886888 °	37.886888 °
				-121.330666 °	-121.330666 °
DWR ID	DWR_RD0017_02_s_2020_67				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0017\_304\_67\_20200323\_00186.jpg



Typical view of well maintained vegetation on landside slope. Spring 2020

LM Start	2.25	Rating **	A	Issue No.	68	
LM End	2.25	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.886888 °		37.886888 °
				-121.330667 °		-121.330667 °
DWR ID	DWR_RD0017_02_s_2020_68					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : SP\_2020\_RD0017\_304\_68\_20200323\_00187.jpg



Typical view of well maintained vegetation on waterside slope. Spring 2020

LM Start	2.87	Rating **	M	Issue No.	69
LM End	2.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.878043 °	37.878043 °
				-121.331606 °	-121.331606 °
DWR ID	DWR_RD0017_02_s_2020_69				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD0017\_304\_69\_20200323\_00188.jpg



View of an abandoned vehicle on landside shoulder. Spring 2020

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CR : Crown

\*\* Rating  
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Ma : Maintenance Deficiency  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	5.49	Rating **	M	Issue No.	71
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.850507 °	37.850507 °
				-121.320397 °	-121.320397 °
DWR ID	DWR_RD0017_02_s_2020_71				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	6.50	Rating **	C	Issue No.	93
LM End	6.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.841859 °	37.841859 °
				-121.316240 °	-121.316240 °
DWR ID	DWR_RD0017_02_s_2019_93				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Rills on landside slope caused by surface run off need to be repaired.					

No Photos

LM Start	6.72	Rating **	C	Issue No.	94
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.839024 °	37.839024 °
				-121.316469 °	-121.316469 °
DWR ID	DWR_RD0017_02_s_2019_94				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	7.58	Rating **	M	Issue No.	25
LM End	7.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.828095 °	37.827920 °
				-121.309945 °	-121.309847 °
DWR ID	DWR_RD0017_02_s_2012_25				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	8.04	Rating **	M	Issue No.	84
LM End	8.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.824344 °	37.824344 °
				-121.312455 °	-121.312455 °
DWR ID	DWR_RD0017_02_f_2017_84				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	9.24	Rating **	C	Issue No.	85
LM End	9.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815269 °	37.815269 °
				-121.316805 °	-121.316805 °
DWR ID	DWR_RD0017_02_f_2017_85				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	9.29	Rating **	C	Issue No.	9
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815270 °	37.815270 °
				-121.317692 °	-121.317692 °
DWR ID	DWR_RD0017_02_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry removal has been mitigated.					

No Photos

LM Start	10.64	Rating **	C	Issue No.	80
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805787 °	37.805787 °
				-121.322022 °	-121.322022 °
DWR ID	DWR_RD0017_02_s_2015_80				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry removal has been mitigated.					

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	N : Not Inspected/Rated 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. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	13.28	Rating **	M	Issue No.	158	
LM End	13.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °	
				-121.299953 °	-121.299953 °	
DWR ID	809					
Comment Code						
Inspector Comment						
DS_ID:809 FS_ID:40715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* [Reclamation District No. 17 Drainage Plant] 18-inch drainage pipe of unknown material through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterside (WS) slope. Flap gate on the WS end. One CM cutoff wall. Pump on the landside (LS). (18-inch pipe Installed by USACE in 1961 -- no permit found; existing 18-inch pipe removed under Permit No. 14450, 1988 - R. H. Brown, two 18-inch pipes installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 13.36)] FS Date: 2/4/2010						

LM Start	<b>13.28</b>	Rating **	M	Issue No.	<b>158 (cont)</b>
LM End	<b>13.28</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_40715\_72548.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2020\_40715\_72551.jpg



View of waterward side, photo 1 of 2.

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Unit No. 02 San Joaquin River	Right	14.27	03/19/2020 03/19/2020	Alberto De Leon

LM Start	<b>13.28</b>	Rating **	M	Issue No.	<b>158 (cont)</b>
LM End	<b>13.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °
				-121.299953 °	-121.299953 °
DWR ID	809				

Photo 3 of 3 : UCIP\_SP\_2020\_40715\_72549.jpg



View of waterward side, photo 2 of 2.

<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	N : Not Inspected/Rated 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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