

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0787_01_s_2013_7				
Comment Code					
Inspector Comment					
RD 787 shares flood resources with RD 108 with a stockpile of flood response materials.					

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	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0787_01_s_2013_8				
Comment Code					
Inspector Comment					
RD 787 is current with O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0787_01_s_2012_10				
Comment Code					
Inspector Comment					
RD 787 works jointly with RD 108 on training and flood response.					

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 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.38	Rating **	M	Issue No.	5
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.796016 °	38.796016 °
				-121.730467 °	-121.730467 °
DWR ID	DWR_RD0787_01_s_2019_5				
Comment Code					
DE : Debris					
Inspector Comment					
There is a TV on the waterside slope that needs to be removed.					

No Photos

LM Start	0.39	Rating **	A/W	Issue No.	2
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.795931 °	38.795268 °
				-121.730627 °	-121.732566 °
DWR ID	DWR_RD0787_01_f_2018_2				
Comment Code					
Inspector Comment					
2017 Site ID: CBD 0.5 L					
Status: Eroding					
2017 Field Notes: Wide levee section, roughly 40 ft.					
Site History: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading.					
Additional erosion due to human use.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.67	Rating **	A/W	Issue No.	3
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.795486 °	38.796225 °
				-121.735647 °	-121.738902 °
DWR ID	DWR_RD0787_01_f_2018_3				
Comment Code					
Inspector Comment					
2017 Site ID: CBD 0.9 L					
Status: Eroding					
2017 Field Notes: Oversized embankment.					
Site History: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading.					

No Photos

LM Start	0.73	Rating **	M	Issue No.	4
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.795769 °	38.796340 °
				-121.736798 °	-121.738956 °
DWR ID	DWR_RD0787_01_f_2017_4				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:182					
Site Designation:RD 787-01					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes:					

Photo 1 of 4 : SP_2019_RD0787_212_4_20190415_00018.jpg



View of bank caving on the waterside slope, facing downstream. Spring 2019.

* 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 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.73	Rating **	M	Issue No.	4 (cont)	
LM End	0.86	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.795769 °		38.796340 °
				-121.736798 °		-121.738956 °
DWR ID	DWR_RD0787_01_f_2017_4					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:182						
Site Designation:RD 787-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes:						

LM Start	0.73	Rating **	M	Issue No.	4 (cont)
LM End	0.86	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : LEVAL_SP_2019_182_1520.jpg



Photo 3 of 4 : LEVAL_SP_2019_182_1522.jpg



* 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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Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.73	Rating **	M	Issue No.	4 (cont)	
LM End	0.86	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.795769 °	38.796340 °	
				-121.736798 °	-121.738956 °	
DWR ID	DWR_RD0787_01_f_2017_4					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:182						
Site Designation:RD 787-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes:						

Photo 4 of 4 : LEVAL_SP_2019_182_1523.jpg



LM Start	0.73	Rating **	A/W	Issue No.	9
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.795814 °	38.795814 °
				-121.736799 °	-121.736799 °
DWR ID	DWR_RD0787_01_s_2017_9				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside slope from 2017 storms. Recommend monitoring.					

Photo 1 of 4 : SP_2019_RD0787_212_9_20190304_00004.jpg



View of erosion on the waterside slope, facing upstream. Fall 2018.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.73	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.795814 °		38.795814 °
				-121.736799 °		-121.736799 °
DWR ID	DWR_RD0787_01_s_2017_9					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside slope from 2017 storms. Recommend monitoring.						

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)
LM End	0.73	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SP_2019_RD0787_212_9_20190304_00005.jpg



Additional view of erosion, facing upstream. Fall 2018.

Photo 3 of 4 : SP_2019_RD0787_212_9_20190304_00006.jpg



View of erosion, facing downstream. Fall 2018.

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)
LM End	0.73	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SP_2019_RD0787_212_9_20190304_00007.jpg



View of what appears to be a slope stability issue on waterside slope. Spring 2017.

* 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 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.75	Rating **	A/W	Issue No.	12
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.795891 °	38.795891 °
				-121.737098 °	-121.737098 °
DWR ID	DWR_RD0787_01_f_2017_12				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside slope from 2017 storms. Recommend monitoring.					

LM Start	0.75	Rating **	A/W	Issue No.	12 (cont)
LM End	0.75	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2019_RD0787_212_12_20190304_00008.jpg



View of erosion on the waterside slope, facing downstream. Fall 2018.

Photo 2 of 3 : SP_2019_RD0787_212_12_20190304_00009.jpg



View of the erosion the waterside slope, facing upstream. Fall 2018.

LM Start	0.75	Rating **	A/W	Issue No.	12 (cont)
LM End	0.75	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2019_RD0787_212_12_20190304_00010.jpg



View of what appears to be a slope stability issue on waterside slope. Spring 2017.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.77	Rating **	A/W	Issue No.	15
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.795996 °	38.795996 °
				-121.737493 °	-121.737493 °
DWR ID	DWR_RD0787_01_f_2018_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside slope from 2017 storms. Recommend monitoring.					

Photo 1 of 2 : SP_2019_RD0787_212_15_20190304_00011.jpg



View of erosion on the waterside slope, facing downstream. Fall 2018.

LM Start	0.77	Rating **	A/W	Issue No.	15 (cont)
LM End	0.77	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0787_212_15_20190304_00012.jpg



View of sloughing on waterside slope. Spring 2017.

LM Start	0.78	Rating **	A/W	Issue No.	16
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.796042 °	38.796042 °
				-121.737661 °	-121.737661 °
DWR ID	DWR_RD0787_01_s_2017_16				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside slope from 2017 storms. Recommend monitoring.					

Photo 1 of 2 : SP_2019_RD0787_212_16_20190304_00013.jpg



View of erosion on the waterside slope, facing downstream. Fall 2018.

* 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 Colusa Basin Drain	Left	4.45	04/08/2019 04/08/2019	Zach Jojola

LM Start	0.78	Rating **	A/W	Issue No.	16 (cont)	
LM End	0.78	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.796042 °		38.796042 °
				-121.737661 °		-121.737661 °
DWR ID	DWR_RD0787_01_s_2017_16					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside slope from 2017 storms. Recommend monitoring.						

Photo 2 of 2 : SP_2019_RD0787_212_16_20190304_00014.jpg



View of what appears to be sloughing on the waterside slope. Spring 2017.

LM Start	1.35	Rating **	M	Issue No.	6
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800434 °	38.800434 °
				-121.746369 °	-121.746369 °
DWR ID	DWR_RD0787_01_s_2019_6				
Comment Code					
DE : Debris					
Inspector Comment					
A couch on the waterside slope needs removal.					

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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