

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/21/2016 09/21/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0554_01_f_2014_3				
Comment Code					
Inspector Comment					
The district is prepared to partner with neighboring Districts as in the past.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0554_01_f_2014_35				
Comment Code					
Inspector Comment					
The district has the O&M Manual on hand.					

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 Sacramento River	Left	1.13	09/21/2016 09/21/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	36	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				o	
					o	
DWR ID	DWR_RD0554_01_f_2014_36					
Comment Code						
Inspector Comment						
The district shares with neighboring district, RD 551.						

No Photos

LM Start	0.08	Rating **	U	Issue No.	31
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.248638 °	38.245697 °
				-121.509872 °	-121.511022 °
DWR ID	DWR_RD0554_01_f_2016_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth from the levee slope along the waterside levee section.					

Photo 1 of 1 : FA_2016_RD0554_176_31_20160921_00052.jpg



Looking downstream waterside levee slope from levee mile 0.08-0.30.

LM Start	0.08	Rating **	A	Issue No.	10
LM End	0.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.248638 °	38.238600 °
				-121.509872 °	-121.517010 °
DWR ID	DWR_RD0554_01_f_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation along this section of levee.					

Photo 1 of 1 : FA_2016_RD0554_176_10_20160921_00056.jpg



Looking downstream of the landside levee slope of RD 554.

*** 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
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/21/2016 09/21/2016	Herman Phillips

LM Start	0.10	Rating **	U	Issue No.	11
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248262 °	38.248262 °
				-121.509901 °	-121.509901 °
DWR ID	DWR_RD0554_01_s_2014_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This is not a new erosion site, repairs are needed. One tree has fallen into the Sac River at the erosion site. This site can be seen better from the river by boat. The wild grapes blocks the view from the waterside shoulder looking down the slope.					

Photo 1 of 1 : FA_2016_RD0554_176_11_20160926_00057.jpg



RD 554 Waterside levee slope looking downstream.

LM Start	0.26	Rating **	M	Issue No.	1
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID	DWR_RD0554_01_f_2016_1				
Comment Code					
Inspector Comment					
2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe. 2015: No observed changes. [2015 Site ID: SAC_27-0_L]					

Photo 1 of 2 : FA_2016_RD0554_176_1_20160919_00001.jpg



USACE 2013 Photo #1

LM Start	0.26	Rating **	M	Issue No.	1 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_RD0554_176_1_20160919_00002.jpg



USACE 2013 Photo #2

* 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 Sacramento River	Left	1.13	09/21/2016 09/21/2016	Herman Phillips

LM Start	0.30	Rating **	M	Issue No.	32
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245665 °	38.245297 °
				-121.511037 °	-121.511300 °
DWR ID	DWR_RD0554_01_f_2016_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild grassed along the waterside slope.					

No Photos

LM Start	0.32	Rating **	U	Issue No.	13
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.245389 °	38.245389 °
				-121.511085 °	-121.511085 °
DWR ID	DWR_RD0554_01_s_2014_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This erosion isn't repaired to date. Needs repairing.					

Photo 1 of 2 : FA_2016_RD0554_176_13_20160919_00004.jpg



This erosion along the landside levee slope is not new, it was reported two years ago.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/21/2016 09/21/2016	Herman Phillips

Photo 2 of 2 : FA_2016_RD0554_176_13_20160926_00058.jpg



This erosion site along the landside slope levee 0.32 has been reported and has not been repaired.

Photo 1 of 1 : FA_2016_RD0554_176_33_20160928_00059.jpg




RD 554 Levee mile 0.77-0.87 waterside slope.

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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Unit No. 01 Sacramento River	Left	1.13	09/21/2016 09/21/2016	Herman Phillips

Photo 1 of 1 : FA_2016_RD0554_176_30_20160921_00053.jpg



Looking downstream landside levee mile 0.88-0.93.

Photo 1 of 1 : FA_2016_RD0554_176_34_20160921_00055.jpg



Looking downstream from levee mile 1.01-1.08 waterside slope.

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CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement