

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
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 *	
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

LM Start		Rating **	A	Issue No.	36
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0554_01_f_2019_36				
Comment Code					
Inspector Comment					
The district shares with neighboring district, RD 551.					

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 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start	0.07	Rating **	M	Issue No.	58
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.248783 °	38.248783 °
				-121.509977 °	-121.509977 °
DWR ID	DWR_RD0554_01_s_2021_58				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.10	Rating **	M	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					
E2 : Schedule repair of erosion site prior to the next inspection.					
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 block the view from the waterside shoulder looking down the slope. Rated as M because it is an oversized levee section.					

Photo 1 of 1 : FA_2021_RD0554_176_11_20210830_00001.jpg



View looking upstream at erosion site on the waterside (Fall 2019).

LM Start	0.26	Rating **	M	Issue No.	24
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: SAC 27.0 L Status: Eroding 2018 Field Notes: No observed change. Site History: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe. 2017 - Minor new erosion at toe.					

Photo 1 of 2 : FA_2021_RD0554_176_24_20211218_3.jpg



USACE 2018 Erosion Photo #1

* 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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Unit No. 01 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start	0.26	Rating **	M	Issue No.	24 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID					

Photo 2 of 2 : FA_2021_RD0554_176_24_20211218_4.jpg



USACE 2018 Erosion Photo #2

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. Large bush growing in eroded gully. Needs repairing.

Photo 1 of 1 : FA_2021_RD0554_176_13_20210830_00002.jpg



View of eroded gully on the landside slope.

LM Start	0.32	Rating **	U	Issue No.	56
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245388 °	38.245388 °
				-121.511211 °	-121.511211 °
DWR ID	DWR_RD0554_01 f _ 2021_56				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1 : FA_2021_RD0554_176_56_20211001_00099.jpg



View looking downstream at vegetation on the landside slope (Fall 2021).

*** Location**
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**** Rating**
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start	0.34	Rating **	U	Issue No.	55
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245140 °	38.245140 °
				-121.511350 °	-121.511350 °
DWR ID	DWR_RD0554_01_f_2021_55				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove tree of heaven before it gets further established.					

Photo 1 of 1 : FA_2021_RD0554_176_55_20211001_00100.jpg



View of tree of heaven on the landside slope (Fall 2021).

LM Start	0.59	Rating **	M	Issue No.	46
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242125 °	38.242125 °
				-121.514080 °	-121.514080 °
DWR ID	DWR_RD0554_01_f_2019_46				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.65	Rating **	M	Issue No.	53
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241412 °	38.241412 °
				-121.514634 °	-121.514634 °
DWR ID	DWR_RD0554_01_f_2021_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start	0.65	Rating **	M	Issue No.	54
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.241411 °	38.241411 °
				-121.514636 °	-121.514636 °
DWR ID	DWR_RD0554_01_s_2020_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limb from landside slope.					

Photo 1 of 1 : FA_2021_RD0554_176_54_20210830_00015.jpg



View of large tree limb on the landside slope (Spring 2020).

LM Start	0.81	Rating **	U	Issue No.	49
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239587 °	38.239587 °
				-121.516353 °	-121.516353 °
DWR ID	DWR_RD0554_01_f_2019_49				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0554_176_49_20210830_00013.jpg



View looking upstream at thick trees on the landside slope (Fall 2019).

LM Start	0.86	Rating **	U	Issue No.	52
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239015 °	38.239015 °
				-121.516802 °	-121.516802 °
DWR ID	DWR_RD0554_01_f_2021_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0554_176_52_20211001_00101.jpg



View looking upstream at vegetation on the landside slope (Fall 2021).

* Location
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CR : Crown

** Rating
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+ Issue Type
Ma : Maintenance Deficiency
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Unit No. 01 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start	0.90	Rating **	U	Issue No.	30
LM End	0.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238396 °	38.237604 °
				-121.516938 °	-121.516774 °
DWR ID	DWR_RD0554_01_f_2016_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0554_176_30_20210830_00009.jpg



View looking upstream at thick trees on the landside slope (Fall 2019).

LM Start	0.95	Rating **	U	Issue No.	59
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.237632 °	38.237632 °
				-121.516880 °	-121.516880 °
DWR ID	DWR_RD0554_01_f_2020_59				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0554_176_59_20210830_00017.jpg



View of thick trees on the waterside slope (Fall 2020).

LM Start	1.00	Rating **	U	Issue No.	37
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.236991 °	38.236287 °
				-121.516812 °	-121.516864 °
DWR ID	DWR_RD0554_01_f_2019_37				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0554_176_37_20210830_00012.jpg



View of looking downstream at thick trees on the waterside slope (Fall 2019).

* 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	
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Unit No. 01 Sacramento River	Left	1.13	09/30/2021 09/30/2021	David Julian

LM Start	1.00	Rating **	U	Issue No.	62
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.236961 °	38.236961 °
				-121.516823 °	-121.516823 °
DWR ID	DWR_RD0554_01_s_2021_62				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree on waterside shoulder.					

Photo 1 of 1 : FA_2021_RD0554_176_62_20210830_00018.jpg



View of fallen tree on the waterside shoulder (Spring 2021).

* 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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