

**Flood Control Project Maintenance
Levee Inspections**

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

Solano County Public Works Mellin Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	09/27/2021 09/27/2021	David Julian

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0012_01_s _ 2013_6				
Comment Code					
Inspector Comment					
LMA has a copy of the O&M manual on file.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0012_01_s _ 2013_7				
Comment Code					
Inspector Comment					
LMA has an adequate supply of flood fight supplies in Vacaville at the Lewis stockyard.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0012_01_s _ 2013_9				
Comment Code					
Inspector Comment					
LMA contracts with Solano County Channel Maintenance for flood fight. LMA will check when they last trained.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Solano County Public Works Mellin Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	09/27/2021 09/27/2021	David Julian

LM Start	0.00	Rating **	M	Issue No.	10
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.174067 °	38.177508 °
				-121.674271 °	-121.678675 °
DWR ID	DWR_NA0012_01_s_2019_10				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair instabilities caused by cattle walking on the waterside slope.					

Photo 1 of 1 : FA_2021_NA0012_258_10_20210830_00004.jpg



View of slope instabilities caused by cows on the waterside slope (Spring 2019).

LM Start	0.10	Rating **	U	Issue No.	1
LM End	0.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.175069 °	38.175293 °
				-121.675454 °	-121.675767 °
DWR ID	DWR_NA0012_01_f_2021_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There are willows on the landside slope.					

Photo 1 of 1 : FA_2021_NA0012_258_1_20210928_00009.jpg



View of thick willows on the landside slope (Fall 2021).

LM Start	0.13	Rating **	M	Issue No.	11
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.175355 °	38.175355 °
				-121.675833 °	-121.675833 °
DWR ID	DWR_NA0012_01_f_2018_11				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion caused by cattle digging into the waterside toe.					

Photo 1 of 1 : FA_2021_NA0012_258_11_20210830_00005.jpg



View of erosion into waterside toe (October 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

**Flood Control Project Maintenance
Levee Inspections**

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

Solano County Public Works Mellin Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	09/27/2021 09/27/2021	David Julian

LM Start	0.23	Rating **	U	Issue No.	5
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.176413 °	38.176737 °
				-121.677250 °	-121.677681 °
DWR ID	DWR_NA0012_01_f_2021_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There are willows on the landside slope.					

Photo 1 of 1 : FA_2021_NA0012_258_5_20210928_00010.jpg



View of thick willows on the landside slope (Fall 2021).

LM Start	0.28	Rating **	M	Issue No.	8
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.176885 °	38.177813 °
				-121.677895 °	-121.679086 °
DWR ID	DWR_NA0012_01_f_2021_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0012_258_8_20210928_00011.jpg



View looking upstream at vegetation on the waterside slope (Fall 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
--	--	---	--	---