

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

Sacramento River Basin

ST0014	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Murphy Slough at M&T Ranch	M	0.83						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.15		0.15	18.03%				
Trim / Thin Trees	0.01		0.01	1.20%				
Encroachments					0.47			
<i>LMA Totals:</i>	0.16	0.00	0.16	19.23%	0.47	0.00	0.00	0.00

Unit No. 01 Murphy Slough at M&T Ranch LB	Overall Unit Rating	Total Unit Miles						
ST0014	M	0.83						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.15		0.15	18.03%				
Trim / Thin Trees	0.01		0.01	1.20%				
Encroachments					0.47			
<i>Unit Totals:</i>	0.16	0.00	0.16	19.23%	0.47	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet**

Sutter Maintenance Yard Murphy Slough at M&T Ranch

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Sutter Maintenance Yard Murphy Slough at M&T Ranch

Waterway			Bank	Unit Miles
Unit No. 01 Murphy Slough at M&T Ranch			Left	0.83
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/22/2022 - 3/22/2022		10/4/2022 - 10/4/2022	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sutter Maintenance Yard Murphy Slough at M&T Ranch

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Murphy Slough at M&T Ranch	Left	0.83	10/04/2022 10/04/2022	Makar Sokol

LM Start		Rating **	A	Issue No.	2		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_ST0014_01_f_2022_2						
Comment Code							
FP : Flood Preparedness & Training							
Inspector Comment							
The LMA completed flood fight training.							

No Photos

LM Start		Rating **	A	Issue No.	3		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_NA0014_01_s_2013_3						
Comment Code							
ES : Emergency Supplies & Equipment							
Inspector Comment							
The LMA has adequate flood fight supplies and equipment.							

No Photos

LM Start		Rating **	A	Issue No.	6	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Operations & Maintenance Manuals				°	°
					°	°
DWR ID	DWR_NA0014_01_s_2013_6					
Comment Code						
OM : O&M Manuals						
Inspector Comment						
There is no O&M Manual for M&T Ranch.						

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sutter Maintenance Yard Murphy Slough at M&T Ranch

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Murphy Slough at M&T Ranch	Left	0.83	10/04/2022 10/04/2022	Makar Sokol

LM Start	0.00	Rating **	M	Issue No.	1
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.667748 °	39.667165 °
				-121.959205 °	-121.960218 °
DWR ID	DWR_NA0014_01_s_2012_1				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	9
LM End	0.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.667748 °	39.666356 °
				-121.959205 °	-121.967574 °
DWR ID	DWR_ST0014_01_s_2019_9				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.04	Rating **	M	Issue No.	4
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.667429 °	39.667089 °
				-121.959774 °	-121.960357 °
DWR ID	DWR_NA0014_01_s_2012_4				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2022

Sutter Maintenance Yard Murphy Slough at M&T Ranch

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Murphy Slough at M&T Ranch	Left	0.83	10/04/2022 10/04/2022	Makar Sokol

LM Start	0.31	Rating **	M	Issue No.	8
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.666319 °	39.666319 °
				-121.964544 °	-121.964544 °
DWR ID	DWR_ST0014_01_s_ 2019_8				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
The downed tree should be removed from the landside toe.					

Photo 1 of 1 : FA_2022_ST0014_372_8_20220906_00001.jpg



View of the downed tree at the landside toe. Spring 2022.

LM Start	0.58	Rating **	M	Issue No.	7
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.667252 °	39.667687 °
				-121.968972 °	-121.969070 °
DWR ID	DWR_ST0014_01_f_ 2022_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_ST0014_372_7_20221011_00002.jpg



View of the vegetation along the waterside slope. Fall 2022.

LM Start	0.74	Rating **	M	Issue No.	5
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.669475 °	39.669475 °
				-121.970058 °	-121.970058 °
DWR ID	DWR_ST0014_01_f_ 2022_5				
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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