

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0014	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Murphy Slough at M&T Ranch	U	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	0.38		0.38	45.67%				
<i>LMA Totals:</i>	0.38	0.00	0.38	45.67%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

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)			U	

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

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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

Fall 2014 Levee Inspection Results

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)			U	
Date of Inspection	04/11/2014 - 04/11/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

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:

- completion of the inspection
- any changes other than the results of normal maintenance
- 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.

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Levee Inspection Report By Mile - Fall 2014

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	11/17/2014 11/17/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	2		
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_2						
Action/Comments							
Inspector Comments: The LMA completed flood fight training in 2014.							

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				
Action/Comments					
Inspector Comments: 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	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_NA0014_01_s_2013_6						
Action/Comments							
Inspector Comments: 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 2014

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	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	1
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.667534 °	39.666836 °
				-121.959612 °	-121.960897 °
DWR ID	DWR_NA0014_01_s_2012_1				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 2 : FA_2014_ST0014_372_1_20141013_00001.jpg



View of the elderberries along the waterside slope.

LM Start	0.00	Rating **	M	Issue No.	1 (cont)
LM End	0.09	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_ST0014_372_1_20141118_00005.jpg



View of the elderberries along the waterside slope.

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.667708 °	39.666983 °
				-121.959817 °	-121.960997 °
DWR ID	DWR_NA0014_01_s_2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_ST0014_372_4_20141118_00004.jpg



View of the elderberries along the landside toe.

*** 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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Levee Inspection Report By Mile - Fall 2014

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	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.666988 °	39.666988 °
				-121.960993 °	-121.960993 °
DWR ID	DWR_NA0014_01_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_ST0014_372_5_20141118_00006.jpg



View of the vegetation along the waterside slope.

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.666755 °	39.670512 °
				-121.961235 °	-121.970407 °
DWR ID	DWR_ST0014_01_f_2014_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_ST0014_372_7_20141118_00007.jpg



View of controlled vegetation on the landside slope.

*** 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