

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0012 Sutter Maintenance Yard Maintenance Area 0012	Overall LMA Rating	Total LMA Miles						
	A	11.31						
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>								
Encroachments					1.31			
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.09%				
<i>LMA Totals:</i>	0.01	0.00	0.01	0.09%	1.31	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2012 Levee Inspection Results**

Sutter Maintenance Yard Maintenance Area 0012

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

** 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.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0012

Waterway		Bank	Unit Miles
Unit No. 01 Colusa Drain		Left	11.31

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/13/2012 - 03/13/2012		10/24/2012 - 10/24/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Yard		Bryan Reniff Sutter 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:

- 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 2012

Sutter Maintenance Yard Maintenance Area 0012

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector				
Unit No. 01 Colusa Drain				Left	11.31	10/24/2012 10/24/2012	Bob Duffey				
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment		GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo		
1			Earthen Levee	Operations & Maintenance Manuals	LS	A			°	°	9
DWR ID: DWR_MA0012_01_s_2012_9											
2			Earthen Levee	Emergency Supplies & Equipment	LS	A			°	°	11
DWR ID: DWR_MA0012_01_s_2012_11											
3			Earthen Levee	Flood Preparedness & Training	LS	A			°	°	12
DWR ID: DWR_MA0012_01_s_2012_12											
4	2.65	3.76	Earthen Levee	Encroachments	LS	M	DT : Ditch		39.067343 °	39.081684 °	1
									-122.009611 °	-122.016243 °	
DWR ID: DWR_MA0012_01_s_2012_1											
5	4.16	4.31	Earthen Levee	Encroachments	LS	M	DT : Ditch		39.087326 °	39.089409 °	3
									-122.015182 °	-122.015253 °	
DWR ID: DWR_MA0012_01_s_2012_3											
6	4.83	4.88	Earthen Levee	Encroachments	LS	M	DT : Ditch		39.096839 °	39.097455 °	4
									-122.015568 °	-122.015581 °	
DWR ID: DWR_MA0012_01_s_2012_4											
7	5.30	5.30	Earthen Levee	Animal Control	LS A/W	Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.		39.103490 °	39.103490 °	206
									-122.016340 °	-122.016340 °	Y
DWR ID: DWR_MA0012_01_s_2012_206											
8	5.77	5.77	Earthen Levee	Animal Control	LS A/W	Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		39.109189 °	39.109189 °	8
									-122.017139 °	-122.017139 °	Y
DWR ID: DWR_MA0012_01_s_2012_8											
9	5.82	5.82	Earthen Levee	Animal Control	LS A/W	Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		39.110742 °	39.110742 °	207
									-122.017342 °	-122.017342 °	Y
DWR ID: DWR_MA0012_01_s_2012_207											
10	7.04	7.04	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.		39.127034 °	39.127034 °	13
									-122.022757 °	-122.022757 °	Y
DWR ID: DWR_MA0012_01_f_2012_13											
11	9.02	9.02	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: SYC_9-3_L]		39.158226 °	39.157957 °	7
									-122.021950 °	-122.021950 °	
DWR ID:											
12	10.31	10.31	Earthen Levee	Animal Control	LS A/W	Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		39.173370 °	39.173370 °	10
									-122.021357 °	-122.021357 °	Y
DWR ID: DWR_MA0012_01_s_2012_10											
13	10.72	10.72	Earthen Levee	Slope Stability	LS	C	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.		39.173970 °	39.173970 °	6
									-122.014335 °	-122.014335 °	
DWR ID: DWR_MA0012_01_s_2012_6											

* Location LS : Land Side 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 2012

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	10/24/2012 10/24/2012	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	5.30
End Levee Mile	5.30
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the levee slope with no rodent activity.	
rduffey_f_20121203_380.JPG	



Levee Mile Report Line	8
Start Levee Mile	5.77
End Levee Mile	5.77
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the levee slope with no rodent activity.	
rduffey_f_20121203_381.JPG	



Levee Mile Report Line	9
Start Levee Mile	5.82
End Levee Mile	5.82
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the slope levee with no rodent activity.	
rduffey_f_20121203_382.JPG	



* Location LS : Land Side 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 Colusa Drain	Left	11.31	10/24/2012 10/24/2012	Bob Duffey

Levee Mile Report Line	10
Start Levee Mile	7.04
End Levee Mile	7.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the levee slopes with no vegetation.	
rduffey_f_20121203_383.JPG	



Levee Mile Report Line	12
Start Levee Mile	10.31
End Levee Mile	10.31
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the levee slope with no rodent activity.	
rduffey_f_20121203_384.JPG	



* Location LS : Land Side 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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