

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Spring 2011 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0001**

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

\*\* 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**

**Spring 2011 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Right	17.12

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/11/2011 - 4/11/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter Yard			

Check one:

- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
  - During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.
- (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000


**X** \_\_\_\_\_ Date

Signature of LMA Representative

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Sutter Maintenance Yard Maintenance Area 0001**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 01 Sacramento River				Right	17.12	04/11/2011 04/11/2011	Bob Duffey			
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.04	0.23	Earthen Levee	Encroachments	LS	CO	Buildings	39.213988 ° -122.001537 °	39.215198 ° -122.004775 °	2
2	0.69	0.71	Earthen Levee	Encroachments	LS	CO	Buildings	39.216533 ° -122.012512 °	39.216680 ° -122.012907 °	7
3	0.80	0.95	Earthen Levee	Encroachments	LS	CO	Buildings	39.217282 ° -122.014290 °	39.218215 ° -122.016538 °	8
4	1.91	1.91	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.231183 ° -122.015413 °	39.231183 ° -122.015413 °	48
5	2.31	2.38	Earthen Levee	Encroachments	LS	PO	Fences	39.236327 ° -122.012727 °	39.237215 ° -122.012122 °	5
6	2.57	2.59	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	39.239609 ° -122.010532 °	39.239846 ° -122.010246 °	6
7	2.58	2.60	Earthen Levee	Encroachments	LS	CO	Buildings	39.239750 ° -122.010390 °	39.239955 ° -122.010090 °	20 Y
8	3.96	3.96	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.257125 ° -122.012648 °	39.257125 ° -122.012648 °	50
9	5.21	5.36	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 15 ft berm, 2:1 slope, slumping, clays and cobbles, 4.24 ft/s [2009 SiteID:SAC_151-0_R]	39.266367 ° -122.020650 °	39.265408 ° -122.018183 °	16 Y
10	5.83	5.83	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.271868 ° -122.023228 °	39.271868 ° -122.023228 °	1 Y
11	5.89	5.89	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.272773 ° -122.023290 °	39.272773 ° -122.023290 °	35
12	7.87	7.87	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	39.297303 ° -122.025257 °	39.297303 ° -122.025257 °	52
13	9.54	9.54	Earthen Levee	Encroachments	LS	M	Prunings	39.317199 ° -122.030339 °	39.317199 ° -122.030339 °	10
14	10.35	10.35	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	39.328697 ° -122.029262 °	39.328697 ° -122.029262 °	18 Y
15	11.25	11.25	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	39.340774 ° -122.032871 °	39.340774 ° -122.032871 °	13
16	11.25	11.25	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.340774 ° -122.032872 °	39.340774 ° -122.032872 °	12
17	12.00	12.05	Earthen Levee	Encroachments	LS	PO	Landscaping	39.351155 ° -122.030443 °	39.351832 ° -122.030295 °	23
18	12.33	13.38	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.355607 ° -122.028707 °	39.362600 ° -122.014497 °	4

<b>* Location</b> LS : Landside WS : Waterside CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated C : Corrected W : Watch/Monitor
--	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Sutter Maintenance Yard Maintenance Area 0001**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	17.12	04/11/2011 04/11/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	13.56	13.56	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.364843 ° -122.015617 °	39.364843 ° -122.015617 °	9
20	16.43	16.43	Earthen Levee	Encroachments	WS	CO	Buildings	39.403930 ° -122.008925 °	39.403930 ° -122.008925 °	14
21	16.45	16.45	Earthen Levee	Encroachments	LS	CO	Buildings	39.404135 ° -122.008797 °	39.404135 ° -122.008797 °	26
22	16.65	16.68	Earthen Levee	Encroachments	LS	PO	Buildings	39.407066 ° -122.008730 °	39.407363 ° -122.008780 °	15
23	16.66	16.69	Earthen Levee	Encroachments	LS	CO	Buildings	39.407225 ° -122.008570 °	39.407545 ° -122.008640 °	46
24	16.70	16.71	Earthen Levee	Encroachments	LS	CO	Fences	39.407670 ° -122.008685 °	39.407823 ° -122.008740 °	47
25	16.82	16.94	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: 15 ft berm, 1.5:1 slope, tree hazards, holes, and slumping, clays and silts, 8.62 ft/s [2009 SiteID:SAC_164-3_R]	39.411111 ° -122.009239 °	39.409428 ° -122.008986 °	17 Y

<p><b>* Location</b></p> <p>LS : Landside WS : Waterside CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p> <p>C : Corrected W : Watch/Monitor</p>
---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	04/11/2011 04/11/2011	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	2.58
End Levee Mile	2.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the house next to the levee.

rduffey\_s\_20110419\_239.jpg



Levee Mile Report Line	9
Start Levee Mile	5.21
End Levee Mile	5.36
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: 15 ft berm, 2:1 slope, slumping, clays and cobbles, 4.24 ft/s [2009 SiteID:SAC\_151-0\_R]

rduffey\_s\_20110228\_022.JPG



Levee Mile Report Line	10
Start Levee Mile	5.83
End Levee Mile	5.83
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the erosion on the w/s slope.

rduffey\_s\_20110419\_240.jpg



<p><b>* Location</b></p> <p>LS : Landside WS : Waterside CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
---	---	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	17.12	04/11/2011 04/11/2011	Bob Duffey

Levee Mile Report Line	14
Start Levee Mile	10.35
End Levee Mile	10.35
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion along the waterside of the levee.	
rduffey_s_20110228_024.jpg	



Levee Mile Report Line	25
Start Levee Mile	16.82
End Levee Mile	16.94
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 15 ft berm, 1.5:1 slope, tree hazards, holes, and slumping, clays and silts, 8.62 ft/s [2009 SiteID:SAC_164-3_R]	
rduffey_s_20110228_023.JPG	



<p><b>* Location</b></p> <p>LS : Landside WS : Waterside CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
---	---	---	--