

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0005 Sutter Maintenance Yard Maintenance Area 0005	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
	M *	33.32				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
Vegetation	0.02		0.02	0.06%		
Encroachments	0.04		0.04	0.12%		0.01
Animal Control	0.16		0.16	0.48%		
Slope Stability	0.03		0.03	0.09%		
Repair Gates	0.01		0.01	0.03%		
USACE Erosion Survey		0.01	0.04	0.12%		
<i>LMA Totals:</i>	0.26	0.01	0.30	0.90% *	0.00	0.01

Unit No. 01 Butte Creek 1	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.			
	M *	15.29				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
Vegetation	0.01		0.01	0.07%		
Encroachments	0.02		0.02	0.13%		
Animal Control	0.03		0.03	0.20%		
Slope Stability	0.02		0.02	0.13%		
Repair Gates	0.01		0.01	0.07%		
USACE Erosion Survey		0.01	0.04	0.26%		
<i>Unit Totals:</i>	0.09	0.01	0.13	0.85% *	0.00	0.00

Unit No. 02 Butte Creek 1	Overall Unit Rating	Total Unit Miles				
	A	16.53				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
Vegetation	0.01		0.01	0.06%		
Encroachments	0.02		0.02	0.12%		0.01
Animal Control	0.13		0.13	0.79%		
Slope Stability	0.01		0.01	0.06%		
<i>Unit Totals:</i>	0.17	0.00	0.17	1.03%	0.00	0.01

Unit No. 03 Little Chico Creek Diversion 1	Overall Unit Rating	Total Unit Miles				
	A	1.50				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2009 Levee Inspection Results**

Sutter Maintenance Yard Maintenance Area 0005

	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.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles
Unit No. 01 Butte Creek 1	Left	15.29

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Jason Cooper Sutter Yard	
			Karen Hull Sutter Yard	
			Joel Farias Jr. 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, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.29	11/03/2009 11/03/2009	Bob Duffey

LM/R No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.58	0.58	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.690745 ° -121.777342 °	39.690745 ° -121.777342 °	903
2	1.56	1.56	Earthen Levee	Encroachments	LS	M	Garbage	39.677235 ° -121.777687 °	39.677235 ° -121.777687 °	907
3	1.73	1.73	Earthen Levee	Encroachments	LS	C	Firewood	39.675108 ° -121.779076 °	39.675108 ° -121.779076 °	16
4	1.85	1.85	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.673855 ° -121.779992 °	39.673855 ° -121.779992 °	908
5	2.13	2.13	Earthen Levee	Repair Gates	CR	M		39.670112 ° -121.782012 °	39.670112 ° -121.782012 °	10
6	2.29	2.29	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.667917 ° -121.782742 °	39.667917 ° -121.782742 °	904
7	2.87	2.87	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.660112 ° -121.785368 °	39.660112 ° -121.785368 °	909
8	3.13	3.13	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.656782 ° -121.787265 °	39.656782 ° -121.787265 °	910
9	3.26	3.26	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.654908 ° -121.788002 °	39.654908 ° -121.788002 °	911
10	3.48	3.48	Earthen Levee	Encroachments	LS	M	Prunings	39.652020 ° -121.789337 °	39.652020 ° -121.789337 °	905
11	7.13	7.13	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	39.605273 ° -121.783178 °	39.605273 ° -121.783178 °	906
12	9.60	9.60	Supplemental	USACE Erosion Survey	LS	U	Inspector Comments: slumping	° °	° °	902

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway		Bank	Unit Miles
Unit No. 02 Butte Creek 1		Right	16.53

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Jason Cooper Sutter Yard	
			Karen Hull Sutter Yard	
			Joel Farias Jr. Sutter Yard	

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(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

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3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard Maintenance Area 0005

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1		Right	16.53	11/03/2009 11/03/2009	Bob Duffey

LM/R No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	7.86	7.86	Earthen Levee	Encroachments	LS	M	Debris	39.605265 ° -121.788388 °	39.605265 ° -121.788388 °	2
2	8.57	8.69	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	39.613492 ° -121.781887 °	39.614907 ° -121.780650 °	4
3	9.76	9.76	Earthen Levee	Slope Stability	WS	C	Repair the levee slope damaged by foot traffic and prevent access where possible.	39.629472 ° -121.774932 °	39.629472 ° -121.774932 °	9
4	10.26	10.36	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	39.635777 ° -121.778772 °	39.636935 ° -121.779697 °	12
5	10.61	10.61	Earthen Levee	Encroachments	LS	M	Equipment	39.639967 ° -121.782152 °	39.639967 ° -121.782152 °	14
6	10.81	10.81	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by foot traffic and prevent access where possible.	39.642447 ° -121.784105 °	39.642447 ° -121.784105 °	16
7	11.11	11.23	Earthen Levee	Trim / Thin Trees	LS	C	Thin trees to allow visibility of the ground and room to flood fight.	39.646020 ° -121.786862 °	39.647640 ° -121.787882 °	17
8	11.22	11.22	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.647400 ° -121.787825 °	39.647400 ° -121.787825 °	26
9	11.83	11.83	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	39.655553 ° -121.789138 °	39.655553 ° -121.789138 °	27
10	11.94	11.94	Earthen Levee	Encroachments	LS	C	Prunings	39.657004 ° -121.788711 °	39.657004 ° -121.788711 °	24
11	12.54	12.54	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	39.665008 ° -121.785058 °	39.665008 ° -121.785058 °	18
12	14.54	14.54	Earthen Levee	Encroachments	LS	CO	Buildings	39.691432 ° -121.778933 °	39.691432 ° -121.778933 °	25
13	15.98	16.07	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.711337 ° -121.778350 °	39.711767 ° -121.779948 °	20
14	16.22	16.30	Earthen Levee	Trim / Thin Trees	WS	C	Thin trees to allow visibility of the ground and room to flood fight.	39.713345 ° -121.781558 °	39.714187 ° -121.782495 °	21
15	16.28	16.30	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.713963 ° -121.782232 °	39.714173 ° -121.782523 °	22

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway		Bank	Unit Miles	
Unit No. 03 Little Chico Creek Diversion 1		Left	1.50	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			10/12/2009	
DWR Inspector			Bob Duffey	
Accompanied By			Jason Cooper Sutter Yard	

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Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion 1	Left	1.50	11/24/2009 11/24/2009	Bob Duffey

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1							No issues were reported.			

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p>	<p>C : Corrected</p>
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