

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0016 Sacramento River West Side Levee District	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 *	50.21				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.05		0.05	0.10%		
Trim / Thin Trees	0.03		0.03	0.06%		
Encroachments	0.09		0.09	0.18%	0.24	0.01
Animal Control	0.17		0.17	0.34%		
USACE Erosion Survey		0.04	0.16	0.32%		
<i>LMA Totals:</i>	0.34	0.04	0.50	1.00% *	0.24	0.01

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

Sacramento River West Side Levee District

	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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Right	50.21

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/12/2009		9/24/2009	
DWR Inspector	John Williamson		John Williamson	
Accompanied By			Chad Navarrot RD 108	

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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	11/03/2009 11/04/2009	John Williamson

LMIR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.28	0.40	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.802817 ° -121.724075 °	38.804448 ° -121.724140 °	961
2	2.44	2.44	Earthen Levee	Encroachments	LS	M	Equipment	38.832537 ° -121.729542 °	38.832537 ° -121.729542 °	3
3	2.83	2.83	Earthen Levee	Encroachments	LS	PO	Landscaping	38.837405 ° -121.731717 °	38.837405 ° -121.731717 °	4
4	3.02	3.02	Earthen Levee	Encroachments	LS	M	Equipment	38.840057 ° -121.731012 °	38.840057 ° -121.731012 °	5
5	4.66	4.66	Earthen Levee	Encroachments	LS	M	Debris	38.857245 ° -121.731100 °	38.857245 ° -121.731100 °	7
6	6.79	6.79	Earthen Levee	Animal Control	LS	C	Repair the levee slope damaged by livestock and prevent large animal access.	38.866101 ° -121.758278 °	38.866101 ° -121.758278 °	60
7	7.78	7.78	Earthen Levee	Encroachments	LS	M	Pipe	38.862296 ° -121.767132 °	38.862296 ° -121.767132 °	61
8	8.87	8.87	Earthen Levee	Encroachments	LS	PO	Buildings	38.855498 ° -121.783998 °	38.855498 ° -121.783998 °	11
9	9.29	9.29	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.860750 ° -121.784717 °	38.860750 ° -121.784717 °	964
10	9.32	9.32	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.861258 ° -121.784822 °	38.861258 ° -121.784822 °	965
11	11.62	11.65	Supplemental	USACE Erosion Survey	LS	U	Inspector Comments: slumping, tree hazards 10' -12' of toe left	38.875109 ° -121.813592 °	38.874854 ° -121.813018 °	956
12	11.83	11.83	Earthen Levee	Encroachments	WS	PO	Crops Inspector Comments: new walnut orchard between toe and river app. 80-90 trees	38.876807 ° -121.816028 °	38.876807 ° -121.816028 °	966
13	12.35	12.35	Earthen Levee	Encroachments	CR	PO	Buildings	38.883807 ° -121.817543 °	38.883807 ° -121.817543 °	14
14	16.97	16.97	Earthen Levee	Encroachments	LS	M	Debris Inspector Comments: cement spoils dumped on levee crown landside	38.929860 ° -121.836820 °	38.929860 ° -121.836820 °	967
15	17.37	17.37	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.935030 ° -121.833988 °	38.935030 ° -121.833988 °	968
16	18.75	18.75	Earthen Levee	Encroachments	CR	PO	Buildings	38.951400 ° -121.838255 °	38.951400 ° -121.838255 °	16

* 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**

Levee Inspection Report By Mile - Fall 2009

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	11/03/2009 11/04/2009	John Williamson

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	18.75	18.75	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.951458 ° -121.838242 °	38.951458 ° -121.838242 °	17
18	18.89	18.89	Earthen Levee	Encroachments	LS	PO	Landscaping	38.952923 ° -121.839797 °	38.952923 ° -121.839797 °	18
19	18.89	18.89	Earthen Levee	Encroachments	WS	M	Prunings	38.952923 ° -121.839797 °	38.952923 ° -121.839797 °	19
20	18.98	18.98	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: cactus at landside levee toe	38.953975 ° -121.840833 °	38.953975 ° -121.840833 °	20
21	19.22	19.22	Earthen Levee	Encroachments	CR	PO	Buildings	38.956330 ° -121.839277 °	38.956330 ° -121.839277 °	23
22	19.31	19.31	Earthen Levee	Encroachments	CR	C	Debris	38.956932 ° -121.837822 °	38.956932 ° -121.837822 °	24
23	19.34	19.34	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.957183 ° -121.837323 °	38.957183 ° -121.837323 °	25
24	22.93	22.93	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.989943 ° -121.805900 °	38.989943 ° -121.805900 °	27
25	23.00	23.00	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.989785 ° -121.804702 °	38.989785 ° -121.804702 °	28
26	23.14	23.14	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.990035 ° -121.802152 °	38.990035 ° -121.802152 °	30
27	23.14	23.14	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.990040 ° -121.802152 °	38.990040 ° -121.802152 °	29
28	24.10	24.10	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	38.999220 ° -121.802048 °	38.999220 ° -121.802048 °	969
29	25.10	25.10	Earthen Levee	Trim / Thin Trees	LS	C	Trim and thin trees to allow visibility of the ground and room to flood fight.	39.005197 ° -121.817618 °	39.005197 ° -121.817618 °	33
30	25.13	25.13	Earthen Levee	Encroachments	LS	PO	Landscaping	39.005240 ° -121.818123 °	39.005240 ° -121.818123 °	34
31	25.65	25.65	Supplemental	USACE Erosion Survey	LS	U	Inspector Comments: tree hazards, caves, slumping	° °	° °	958
32	26.02	26.02	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.014093 ° -121.826532 °	39.014093 ° -121.826532 °	970
33	27.00	27.00	Earthen Levee	Encroachments	WS	M	Firewood	39.027085 ° -121.823585 °	39.027085 ° -121.823585 °	36

* 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**

Levee Inspection Report By Mile - Fall 2009

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	11/03/2009 11/04/2009	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
34	27.85	27.85	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.034620 ° -121.833378 °	39.034620 ° -121.833378 °	37
35	27.95	28.64	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	39.036105 ° -121.833298 °	39.043678 ° -121.838675 °	971
36	32.30	32.30	Earthen Levee	Encroachments	WS	C	Pipe	39.068557 ° -121.874700 °	39.068557 ° -121.874700 °	40
37	32.42	32.42	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	39.069130 ° -121.876638 °	39.069130 ° -121.876638 °	41
38	32.43	32.56	Earthen Levee	Encroachments	WS	PO	Buildings	39.069487 ° -121.876817 °	39.070063 ° -121.879062 °	42
39	36.46	36.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.109561 ° -121.910000 °	39.109561 ° -121.910000 °	63
40	36.61	36.61	Earthen Levee	Encroachments	WS	M	Debris	39.109627 ° -121.913613 °	39.109627 ° -121.913613 °	978
41	36.72	36.72	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.112628 ° -121.912662 °	39.112628 ° -121.912662 °	48
42	36.82	36.82	Earthen Levee	Encroachments	WS	C	Tree or limb Inspector Comments: tree fell across levee hard to pass	39.113745 ° -121.913905 °	39.113745 ° -121.913905 °	972
43	37.79	37.79	Earthen Levee	Encroachments	WS	C	Tree or limb Inspector Comments: fall tree on levee slope need to remove	39.122878 ° -121.923955 °	39.122878 ° -121.923955 °	973
44	41.54	41.54	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.151883 ° -121.919998 °	39.151883 ° -121.919998 °	64
45	41.54	41.54	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.151883 ° -121.920026 °	39.151883 ° -121.920026 °	65
46	41.88	41.88	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.154919 ° -121.924908 °	39.154919 ° -121.924908 °	66
47	42.42	44.01	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	39.159169 ° -121.933225 °	39.179218 ° -121.945979 °	976
48	42.87	42.87	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.164722 ° -121.936981 °	39.164722 ° -121.936981 °	67
49	43.61	43.61	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.174819 ° -121.941255 °	39.174819 ° -121.941255 °	68

* 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**

Levee Inspection Report By Mile - Fall 2009

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	11/03/2009 11/04/2009	John Williamson

LM/R No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
50	43.68	43.68	Earthen Levee	Encroachments	WS	PO	Fences	39.175597 ° -121.942010 °	39.175597 ° -121.942010 °	51
51	43.77	43.77	Earthen Levee	Encroachments	WS	PO	Fences	39.176597 ° -121.943107 °	39.176597 ° -121.943107 °	69
52	43.84	43.84	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.177217 ° -121.943947 °	39.177217 ° -121.943947 °	70
53	43.93	43.93	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.178239 ° -121.945159 °	39.178239 ° -121.945159 °	977
54	44.29	44.29	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.182950 ° -121.945907 °	39.182950 ° -121.945907 °	71
55	46.19	46.19	Earthen Levee	Encroachments	LS	M	Prunings	39.190931 ° -121.957123 °	39.190931 ° -121.957123 °	979
56	47.48	47.48	Earthen Levee	Encroachments	LS	CO	Landscaping	39.187800 ° -121.977410 °	39.187800 ° -121.977410 °	54
57	49.79	49.79	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.212560 ° -121.993522 °	39.212560 ° -121.993522 °	980
58	50.11	50.11	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Agave plants at toe of levee	39.213613 ° -121.998997 °	39.213613 ° -121.998997 °	58

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