

**Flood Control Project Maintenance
Levee Inspections**

Fall 2008 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including Boat Survey Erosion

Sacramento River Basin

Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
	PO Miles	CO Miles				
Encroachments	0.03		0.03	0.06%	0.35	0.05
Animal Control	0.07		0.07	0.13%		
Erosion / Bank Caving	0.05		0.05	0.09%		
Boat Survey Erosion	0.49	0.47	2.37	4.36%		
<i>LMA Totals:</i>	0.64	0.47	2.52	4.63% *	0.35	0.05

Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
	PO Miles	CO Miles				
Encroachments	0.03		0.03	0.09%	0.35	0.05
Animal Control	0.01		0.01	0.03%		
Erosion / Bank Caving	0.05		0.05	0.15%		
Boat Survey Erosion	0.49	0.47	2.37	7.05%		
<i>Unit Totals:</i>	0.58	0.47	2.46	7.32% *	0.35	0.05

Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
	PO Miles	CO Miles				
Animal Control	0.06		0.06	0.29%		
<i>Unit Totals:</i>	0.06	0.00	0.06	0.29%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2008 Levee Inspection Results**

Reclamation District No. 1500

	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 2008 Levee Inspection Results
Reclamation District No. 1500**

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Left	33.60

	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/8/2008		9/22/2008	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				
Unit Maintenance Rating (Fall Only)			M	

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 2008

Reclamation District No. 1500

Waterway						Bank	Unit Miles	Inspection Date	Inspector			
Unit No. 01 Sacramento River						Left	33.60	09/22/2008	John Williamson			
LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment		GPS Latitude/Longitude		Photo	Issue
	Start	End					Start	End				
1	1.31	1.31	Earthen Levee	Encroachments	WS PO	Buildings	Inspector Comments: pump house	38.769712 ° -121.691055 °	38.769712 ° -121.691055 °			3
2	1.34	1.34	Earthen Levee	Encroachments	LS PO	Landscaping		38.769983 ° -121.690610 °	38.769983 ° -121.690610 °			4
3	3.72	3.72	Earthen Levee	Encroachments	LS PO	Buildings		38.797162 ° -121.691072 °	38.797162 ° -121.691072 °			6
4	3.98	3.98	Earthen Levee	Encroachments	WS PO	Buildings		38.797588 ° -121.695723 °	38.797588 ° -121.695723 °			7
5	4.01	4.01	Earthen Levee	Encroachments	LS PO	Landscaping		38.797827 ° -121.695985 °	38.797827 ° -121.695985 °			8
6	4.03	4.03	Earthen Levee	Encroachments	LS PO	Buildings		38.798048 ° -121.696150 °	38.798048 ° -121.696150 °			10
7	4.03	4.03	Earthen Levee	Encroachments	WS PO	Buildings	Inspector Comments: pump house concrete building	38.798048 ° -121.696148 °	38.798048 ° -121.696148 °			9
8	4.20	4.20	Earthen Levee	Encroachments	LS PO	Buildings		38.800550 ° -121.696752 °	38.800550 ° -121.696752 °			11
9	4.65	4.65	Earthen Levee	Encroachments	LS PO	Landscaping		38.803632 ° -121.702770 °	38.803632 ° -121.702770 °			12
10	5.24	5.24	Earthen Levee	Encroachments	WS PO	Buildings	Inspector Comments: pump house	38.802328 ° -121.712920 °	38.802328 ° -121.712920 °			13
11	5.39	5.39	Earthen Levee	Encroachments	LS CO	Landscaping		38.803273 ° -121.715325 °	38.803273 ° -121.715325 °			14
12	5.67	5.75	Earthen Levee	Encroachments	WS PO	Buildings	Inspector Comments: String Rayz Beach Boardwalk Marina waterside berm	38.803005 ° -121.720380 °	38.803238 ° -121.721847 °			52
13	7.57	7.57	Earthen Levee	Encroachments	LS PO	Equipment		38.828975 ° -121.724265 °	38.828975 ° -121.724265 °			16
14	7.68	7.68	Earthen Levee	Encroachments	LS PO	Landscaping		38.830200 ° -121.725268 °	38.830200 ° -121.725268 °			17
15	8.36	8.55	Boat Survey	Boat Survey Erosion	LS M		Inspector Comments: none	38.840416 ° -121.726865 °	38.838826 ° -121.730175 °			954
16	8.82	8.82	Earthen Levee	Encroachments	LS PO	Buildings		38.842715 ° -121.726353 °	38.842715 ° -121.726353 °			18
17	11.42	11.42	Earthen Levee	Encroachments	LS PO	Landscaping		38.866555 ° -121.746017 °	38.866555 ° -121.746017 °			20
18	11.93	11.93	Earthen Levee	Erosion / Bank Caving	WS M	Note and monitor erosion site.		38.871972 ° -121.749765 °	38.871972 ° -121.749765 °			55
19	12.15	12.15	Earthen Levee	Encroachments	WS PO	Buildings		38.870562 ° -121.753335 °	38.870562 ° -121.753335 °			23

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

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 1500

Waterway						Bank	Unit Miles	Inspection Date	Inspector		
Unit No. 01 Sacramento River						Left	33.60	09/22/2008	John Williamson		
LMR Line	Levee Mile		Category	Item	Location*	Rating**	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
20	12.31	12.31	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.869700 ° -121.755945 °	38.869700 ° -121.755945 °		50
21	12.55	12.55	Earthen Levee	Encroachments	LS	PO	Equipment	38.868717 ° -121.760133 °	38.868717 ° -121.760133 °		24
22	12.93	12.93	Earthen Levee	Encroachments	CR	PO	Equipment	38.865127 ° -121.765157 °	38.865127 ° -121.765157 °		25
23	13.12	13.12	Earthen Levee	Encroachments	LS	CO	Buildings	38.863547 ° -121.767937 °	38.863547 ° -121.767937 °		26
24	14.09	14.09	Earthen Levee	Encroachments	WS	M	Firewood	38.857683 ° -121.782652 °	38.857683 ° -121.782652 °		27
25	14.13	14.13	Earthen Levee	Encroachments	WS	PO	Equipment	38.857792 ° -121.783265 °	38.857792 ° -121.783265 °		28
26	14.13	14.43	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: none	38.861888 ° -121.784083 °	38.857441 ° -121.783918 °		955
27	14.35	14.35	Earthen Levee	Encroachments	LS	CO	Buildings	38.860848 ° -121.783307 °	38.860848 ° -121.783307 °		30
28	14.39	14.39	Earthen Levee	Encroachments	LS	CO	Landscaping	38.861513 ° -121.783588 °	38.861513 ° -121.783588 °		31
29	15.94	15.94	Earthen Levee	Encroachments	WS	PO	Equipment	38.871960 ° -121.804440 °	38.871960 ° -121.804440 °		32
30	16.47	16.47	Earthen Levee	Encroachments	LS	CO	Landscaping	38.875788 ° -121.812268 °	38.875788 ° -121.812268 °		33
31	16.53	16.53	Earthen Levee	Encroachments	LS	M	Debris	38.876545 ° -121.812963 °	38.876545 ° -121.812963 °		53
32	18.21	18.21	Earthen Levee	Encroachments	LS	M	Prunings	38.896933 ° -121.802515 °	38.896933 ° -121.802515 °		35
33	18.51	18.51	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.901140 ° -121.802750 °	38.901140 ° -121.802750 °		51
34	19.19	19.19	Earthen Levee	Encroachments	LS	PO	Buildings	38.901570 ° -121.791235 °	38.901570 ° -121.791235 °		36
35	19.22	19.22	Earthen Levee	Encroachments	LS	PO	Landscaping	38.901942 ° -121.790937 °	38.901942 ° -121.790937 °		37
36	23.62	23.62	Earthen Levee	Encroachments	WS	PO	Buildings	38.926297 ° -121.836583 °	38.926297 ° -121.836583 °		40
37	24.03	24.03	Earthen Levee	Encroachments	LS	PO	Buildings	38.931607 ° -121.834658 °	38.931607 ° -121.834658 °		42
38	26.93	26.93	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.966175 ° -121.833909 °	38.966175 ° -121.833909 °		54

<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>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 1500

Waterway				Bank	Unit Miles	Inspection Date	Inspector					
Unit No. 01 Sacramento River				Left	33.60	09/22/2008	John Williamson					
LMR Line	Levee Mile		Category	Item	* Location	** Rating	Action/Comment		GPS Latitude/Longitude		Photo	Issue
	Start	End					Start	End				
39	30.60	30.60	Earthen Levee	Encroachments	LS	PO	Landscaping		38.996980 ° -121.794723 °	38.996980 ° -121.794723 °		45
40	31.34	31.81	Boat Survey	Boat Survey Erosion	LS	U	Inspector Comments: beaver holes, tension cracks, slumping		39.006221 ° -121.812458 °	39.003293 ° -121.805031 °		957
41	31.35	31.37	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.		39.003850 ° -121.804550 °	39.004000 ° -121.805200 °		49
42	33.33	33.33	Earthen Levee	Encroachments	LS	PO	Buildings		39.019722 ° -121.820345 °	39.019722 ° -121.820345 °		46
43	33.41	33.41	Earthen Levee	Encroachments	LS	PO	Buildings		39.020875 ° -121.820272 °	39.020875 ° -121.820272 °		47
44	33.41	33.41	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Pumping Plant Intake structure		39.020875 ° -121.820273 °	39.020875 ° -121.820273 °		48

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p>
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2008 Levee Inspection Results
Reclamation District No. 1500**

Waterway		Bank	Unit Miles
Unit No. 02 Sutter Bypass		Right	20.80

	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	4/1/2008		9/22/2008	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				
Unit Maintenance Rating (Fall Only)			A	

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.

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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 2008

Reclamation District No. 1500

Waterway			Bank	Unit Miles	Inspection Date	Inspector
Unit No. 02 Sutter Bypass			Right	20.80	09/22/2008	John Williamson

LMR Line	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	3.66	3.66	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. Inspector Comments: Many gopher mounds through out the levee landside and waterside squirrels holes are present	38.808312 ° -121.658783 °	38.808312 ° -121.658783 °		6
2	4.04	4.04	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.813395 ° -121.661108 °	38.813395 ° -121.661108 °		7
3	5.73	5.73	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: squirrel holes landside gopher mounds on both side of levee	38.837038 ° -121.658945 °	38.837038 ° -121.658945 °		8
4	7.35	7.35	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.859313 ° -121.650180 °	38.859313 ° -121.650180 °		9
5	9.39	9.39	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.885933 ° -121.635660 °	38.885933 ° -121.635660 °		10
6	14.70	14.70	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.952803 ° -121.675358 °	38.952803 ° -121.675358 °		11

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