

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD1000	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 1000 Natomas	A	42.48				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	3.39		3.39	7.98%		
Encroachments					13.29	1.31
USACE Erosion Survey	0.13		0.13	0.31%		
<i>LMA Totals:</i>	3.52	0.00	3.52	8.29%	13.29	1.31
Unit No. 01 Sacramento River	Overall Unit Rating	Total Unit Miles				
	A	18.60				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Encroachments					7.90	1.31
USACE Erosion Survey	0.13		0.13	0.70%		
<i>Unit Totals:</i>	0.13	0.00	0.13	0.70%	7.90	1.31
Unit No. 02 American River	Overall Unit Rating	Total Unit Miles				
	A	2.33				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Encroachments					4.66	
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	4.66	0.00
Unit No. 03 Natomas East Canal	Overall Unit Rating	Total Unit Miles				
	M	17.17				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	3.39		3.39	19.74%		
Encroachments					0.73	
<i>Unit Totals:</i>	3.39	0.00	3.39	19.74%	0.73	0.00
Unit No. 04 Natomas Cross Canal	Overall Unit Rating	Total Unit Miles				
	A	4.38				
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 2010 Levee Inspection Results

Reclamation District No. 1000 Natomas

	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 2010 Levee Inspection Results

Reclamation District No. 1000 Natomas

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	18.60

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/16/2010		9/28/2010	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

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 2010

Reclamation District No. 1000 Natomas

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Left	18.60	11/10/2010 11/10/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This part of the levee is under construction.	38.780394 ° -121.603532 °	38.780394 ° -121.603530 °	1 Y
2	0.00	0.00	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The levee is under construction.	38.780387 ° -121.603535 °	38.780387 ° -121.603540 °	2 Y
3	0.08	0.08	Earthen Levee	Encroachments	WS PO	Buildings		38.779583 ° -121.602598 °	38.779583 ° -121.602598 °	957
4	0.18	0.22	Earthen Levee	Encroachments	WS PO	Landscaping		38.778408 ° -121.601488 °	38.777902 ° -121.601062 °	131
5	0.48	0.61	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 15 ft berm, 2.5:1 slope, seepage, clays and silts, 4.89 ft/s [2009 SiteID:SAC_78-3_L]	38.774508 ° -121.598864 °	38.772922 ° -121.597789 °	12 Y
6	1.69	1.71	Earthen Levee	Encroachments	WS PO	Landscaping		38.758697 ° -121.591178 °	38.758447 ° -121.591253 °	136
7	1.74	1.77	Earthen Levee	Encroachments	WS PO	Landscaping		38.757962 ° -121.591342 °	38.757480 ° -121.591147 °	135
8	1.77	1.79	Earthen Levee	Encroachments	WS PO	Landscaping		38.757478 ° -121.591140 °	38.757238 ° -121.591272 °	134
9	1.88	1.91	Earthen Levee	Encroachments	WS PO	Landscaping		38.755975 ° -121.591433 °	38.755585 ° -121.591530 °	133
10	1.96	1.98	Earthen Levee	Encroachments	WS PO	Landscaping		38.754848 ° -121.591742 °	38.754562 ° -121.591795 °	132
11	2.02	2.03	Earthen Levee	Encroachments	WS PO	Landscaping		38.753983 ° -121.591737 °	38.753848 ° -121.591797 °	129
12	2.04	2.04	Earthen Levee	Encroachments	WS PO	Landscaping		38.753691 ° -121.592149 °	38.753691 ° -121.592149 °	123
13	2.11	2.18	Earthen Levee	Encroachments	WS PO	Landscaping		38.752513 ° -121.592017 °	38.751822 ° -121.592857 °	122
14	2.55	2.70	Earthen Levee	Encroachments	WS PO	Landscaping		38.747087 ° -121.595582 °	38.745127 ° -121.596793 °	121
15	5.23	5.29	Earthen Levee	Encroachments	WS PO	Landscaping		38.711248 ° -121.610500 °	38.710700 ° -121.611233 °	120
16	5.31	5.34	Earthen Levee	Encroachments	WS PO	Landscaping		38.710508 ° -121.611450 °	38.710132 ° -121.611882 °	119
17	5.68	5.72	Earthen Levee	Encroachments	WS CO	Landscaping		38.706593 ° -121.616155 °	38.706082 ° -121.616385 °	118
18	5.72	5.75	Earthen Levee	Encroachments	WS PO	Landscaping		38.706085 ° -121.616385 °	38.705662 ° -121.616837 °	117

*** 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/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/10/2010 11/10/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	6.04	6.07	Earthen Levee	Encroachments	WS PO	Landscaping		38.702742 ° -121.620557 °	38.702467 ° -121.620947 °	116
20	6.20	6.22	Earthen Levee	Encroachments	WS PO	Landscaping		38.701422 ° -121.622755 °	38.701120 ° -121.623063 °	113
21	6.22	6.24	Earthen Levee	Encroachments	LS PO	Landscaping		38.701177 ° -121.623057 °	38.700950 ° -121.623375 °	115
22	6.22	6.24	Earthen Levee	Encroachments	LS PO	Fences		38.701178 ° -121.623060 °	38.700947 ° -121.623370 °	114
23	6.22	6.25	Earthen Levee	Encroachments	WS CO	Landscaping		38.701120 ° -121.623065 °	38.700822 ° -121.623468 °	112
24	6.36	6.39	Earthen Levee	Encroachments	WS CO	Landscaping		38.699877 ° -121.624948 °	38.699575 ° -121.625475 °	111
25	6.41	6.47	Earthen Levee	Encroachments	WS PO	Landscaping		38.756757 ° -121.596252 °	38.757943 ° -121.599515 °	124
26	6.43	6.47	Earthen Levee	Encroachments	WS PO	Landscaping		38.699237 ° -121.626088 °	38.698907 ° -121.626617 °	110
27	6.49	6.49	Earthen Levee	Encroachments	WS PO	Landscaping		38.758607 ° -121.601933 °	38.758607 ° -121.601933 °	125
28	6.57	6.57	Earthen Levee	Encroachments	WS PO	Buildings		38.698179 ° -121.628077 °	38.698179 ° -121.628077 °	17
29	6.58	6.61	Earthen Levee	Encroachments	WS PO	Landscaping		38.697958 ° -121.628273 °	38.697773 ° -121.628682 °	109
30	6.61	6.70	Earthen Levee	Encroachments	WS PO	Landscaping		38.697775 ° -121.628685 °	38.696618 ° -121.629425 °	108
31	6.76	6.78	Earthen Levee	Encroachments	WS PO	Landscaping		38.695892 ° -121.630053 °	38.695642 ° -121.630353 °	107
32	6.88	6.89	Earthen Levee	Encroachments	WS PO	Landscaping		38.694348 ° -121.631007 °	38.694187 ° -121.631200 °	106
33	6.89	6.92	Earthen Levee	Encroachments	WS PO	Landscaping		38.694192 ° -121.631203 °	38.693932 ° -121.631470 °	105
34	6.92	6.95	Earthen Levee	Encroachments	WS PO	Landscaping		38.693935 ° -121.631478 °	38.693412 ° -121.631765 °	104
35	6.99	7.03	Earthen Levee	Encroachments	WS PO	Landscaping		38.693043 ° -121.632048 °	38.692553 ° -121.632373 °	103
36	7.03	7.07	Earthen Levee	Encroachments	WS PO	Landscaping		38.692535 ° -121.632423 °	38.691872 ° -121.632490 °	102
37	7.10	7.16	Earthen Levee	Encroachments	WS PO	Landscaping		38.691422 ° -121.632585 °	38.690707 ° -121.632842 °	101
38	7.16	7.18	Earthen Levee	Encroachments	WS PO	Landscaping		38.690678 ° -121.632840 °	38.690367 ° -121.632797 °	100

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/10/2010 11/10/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
39	7.22	7.27	Earthen Levee	Encroachments	WS PO	Landscaping		38.689753 ° -121.632788 °	38.689077 ° -121.633003 °	99
40	7.36	7.36	Earthen Levee	Encroachments	WS PO	Landscaping		38.687808 ° -121.632495 °	38.687808 ° -121.632495 °	97
41	7.36	7.36	Earthen Levee	Encroachments	WS PO	Landscaping		38.687808 ° -121.632495 °	38.687808 ° -121.632495 °	98
42	7.39	7.43	Earthen Levee	Encroachments	WS PO	Landscaping		38.687347 ° -121.632433 °	38.686780 ° -121.632138 °	96
43	7.66	7.72	Earthen Levee	Encroachments	WS PO	Landscaping		38.683620 ° -121.631180 °	38.682742 ° -121.631190 °	95
44	7.72	7.75	Earthen Levee	Encroachments	WS PO	Landscaping		38.682742 ° -121.631168 °	38.682310 ° -121.631085 °	94
45	7.81	7.86	Earthen Levee	Encroachments	WS PO	Landscaping		38.681592 ° -121.630768 °	38.680837 ° -121.630530 °	93
46	8.08	8.11	Earthen Levee	Encroachments	WS PO	Landscaping		38.678023 ° -121.628670 °	38.677672 ° -121.628432 °	92
47	8.18	8.19	Earthen Levee	Encroachments	WS PO	Landscaping		38.676893 ° -121.627860 °	38.676747 ° -121.627725 °	91
48	8.22	8.25	Earthen Levee	Encroachments	WS CO	Landscaping		38.676425 ° -121.627462 °	38.676038 ° -121.627063 °	90
49	8.25	8.28	Earthen Levee	Encroachments	WS PO	Landscaping		38.676040 ° -121.627063 °	38.675772 ° -121.626785 °	89
50	8.36	8.38	Earthen Levee	Encroachments	WS PO	Landscaping		38.674830 ° -121.625830 °	38.674610 ° -121.625652 °	88
51	8.38	8.42	Earthen Levee	Encroachments	WS PO	Landscaping		38.674607 ° -121.625655 °	38.674117 ° -121.625143 °	87
52	8.56	8.59	Earthen Levee	Encroachments	WS PO	Landscaping		38.672878 ° -121.623203 °	38.672603 ° -121.622892 °	86
53	8.60	8.66	Earthen Levee	Encroachments	WS PO	Landscaping		38.672487 ° -121.622783 °	38.671790 ° -121.622118 °	85
54	8.77	8.86	Earthen Levee	Encroachments	WS PO	Landscaping		38.670647 ° -121.620632 °	38.669790 ° -121.619482 °	84
55	8.96	8.98	Earthen Levee	Encroachments	WS PO	Landscaping		38.668898 ° -121.618195 °	38.668672 ° -121.617775 °	83
56	8.98	9.02	Earthen Levee	Encroachments	WS CO	Landscaping		38.668673 ° -121.617772 °	38.668405 ° -121.617278 °	82
57	9.03	9.08	Earthen Levee	Encroachments	WS PO	Landscaping		38.668312 ° -121.617138 °	38.667783 ° -121.616382 °	81
58	9.09	9.11	Earthen Levee	Encroachments	WS PO	Landscaping		38.667672 ° -121.616215 °	38.667552 ° -121.616018 °	80

* 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/Rated C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Left	18.60	11/10/2010 11/10/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
59	9.11	9.14	Earthen Levee	Encroachments	WS PO	Landscaping		38.667505 ° -121.615912 °	38.667255 ° -121.615525 °	79
60	9.15	9.17	Earthen Levee	Encroachments	WS PO	Landscaping		38.667250 ° -121.615522 °	38.667028 ° -121.615115 °	78
61	9.57	9.57	Earthen Levee	Encroachments	WS CO	Buildings		38.663307 ° -121.609949 °	38.663307 ° -121.609949 °	959
62	10.34	10.36	Earthen Levee	Encroachments	LS PO	Landscaping		38.654508 ° -121.601280 °	38.654332 ° -121.601097 °	75
63	10.88	10.92	Earthen Levee	Encroachments	WS CO	Landscaping		38.648127 ° -121.595872 °	38.647663 ° -121.595483 °	74
64	10.95	10.99	Earthen Levee	Encroachments	WS CO	Landscaping		38.647373 ° -121.595248 °	38.646825 ° -121.594800 °	73
65	11.23	11.30	Earthen Levee	Encroachments	WS PO	Landscaping		38.644548 ° -121.591768 °	38.644302 ° -121.590572 °	72
66	11.42	11.51	Earthen Levee	Encroachments	WS CO	Landscaping		38.644393 ° -121.588498 °	38.644702 ° -121.586992 °	70
67	11.84	11.88	Earthen Levee	Encroachments	WS PO	Landscaping		38.647408 ° -121.582090 °	38.647773 ° -121.581423 °	69
68	12.21	12.24	Earthen Levee	Encroachments	LS PO	Landscaping		38.650302 ° -121.576493 °	38.650216 ° -121.575890 °	63
69	12.25	12.29	Earthen Levee	Encroachments	LS CO	Buildings		38.650315 ° -121.575622 °	38.650367 ° -121.575005 °	68
70	12.33	12.35	Earthen Levee	Encroachments	WS PO	Landscaping		38.653208 ° -121.573895 °	38.650245 ° -121.572188 °	66
71	12.35	12.43	Earthen Levee	Encroachments	WS PO	Landscaping		38.650867 ° -121.573877 °	38.648223 ° -121.569630 °	67
72	12.44	12.55	Earthen Levee	Encroachments	WS PO	Landscaping		38.651785 ° -121.571670 °	38.649560 ° -121.570438 °	65
73	12.55	12.59	Earthen Levee	Encroachments	WS PO	Landscaping		38.649533 ° -121.570387 °	38.649253 ° -121.569810 °	64
74	12.59	12.64	Earthen Levee	Encroachments	WS CO	Landscaping		38.649253 ° -121.569815 °	38.648895 ° -121.569043 °	62
75	12.64	12.67	Earthen Levee	Encroachments	WS PO	Landscaping		38.648897 ° -121.569030 °	38.648588 ° -121.568467 °	61
76	12.72	12.77	Earthen Levee	Encroachments	WS CO	Landscaping		38.648172 ° -121.567843 °	38.647738 ° -121.567167 °	60
77	12.77	12.85	Earthen Levee	Encroachments	WS PO	Landscaping		38.647665 ° -121.567045 °	38.646812 ° -121.566135 °	59
78	12.89	12.98	Earthen Levee	Encroachments	WS CO	Landscaping		38.646400 ° -121.565695 °	38.645302 ° -121.564733 °	58

*** Location**

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Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/10/2010 11/10/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
79	13.08	13.08	Earthen Levee	Encroachments	WS PO	Landscaping		38.644028 ° -121.563823 °	38.644028 ° -121.563823 °	56
80	13.12	13.13	Earthen Levee	Encroachments	WS PO	Landscaping		38.643527 ° -121.563518 °	38.643378 ° -121.563402 °	55
81	13.13	13.14	Earthen Levee	Encroachments	WS PO	Fences		38.643380 ° -121.563400 °	38.643275 ° -121.563307 °	54
82	13.26	13.30	Earthen Levee	Encroachments	WS PO	Landscaping		38.641620 ° -121.562753 °	38.641113 ° -121.562557 °	52
83	13.34	17.63	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.640469 ° -121.562502 °	38.605560 ° -121.528054 °	956
84	13.36	13.41	Earthen Levee	Encroachments	WS PO	Landscaping		38.640205 ° -121.562370 °	38.639540 ° -121.562238 °	51
85	13.47	13.51	Earthen Levee	Encroachments	WS PO	Landscaping		38.638668 ° -121.562085 °	38.638065 ° -121.562015 °	50
86	13.51	13.55	Earthen Levee	Encroachments	WS PO	Landscaping		38.638067 ° -121.562013 °	38.637600 ° -121.561932 °	49
87	13.55	13.58	Earthen Levee	Encroachments	WS PO	Landscaping		38.637602 ° -121.561930 °	38.637060 ° -121.561833 °	48
88	13.58	13.62	Earthen Levee	Encroachments	WS PO	Landscaping		38.637052 ° -121.561833 °	38.636527 ° -121.561743 °	47
89	13.60	13.60	Earthen Levee	Encroachments	LS PO	Landscaping		38.636842 ° -121.561804 °	38.636842 ° -121.561804 °	138
90	13.62	13.64	Earthen Levee	Encroachments	WS PO	Landscaping		38.636522 ° -121.561743 °	38.636250 ° -121.561667 °	46
91	13.68	13.70	Earthen Levee	Encroachments	WS PO	Landscaping		38.635638 ° -121.561570 °	38.635387 ° -121.561497 °	45
92	13.70	13.72	Earthen Levee	Encroachments	WS PO	Landscaping		38.635390 ° -121.561490 °	38.635032 ° -121.561482 °	44
93	13.86	13.90	Earthen Levee	Encroachments	WS CO	Fences		38.633238 ° -121.561097 °	38.632590 ° -121.560915 °	43
94	14.21	14.24	Earthen Levee	Encroachments	WS CO	Landscaping		38.628300 ° -121.560180 °	38.627873 ° -121.560202 °	42
95	14.31	14.32	Earthen Levee	Encroachments	WS PO	Landscaping		38.626905 ° -121.560062 °	38.626863 ° -121.561015 °	41
96	14.37	14.39	Earthen Levee	Encroachments	WS PO	Landscaping		38.625975 ° -121.560127 °	38.625642 ° -121.560185 °	39
97	14.38	14.52	Earthen Levee	Encroachments	WS PO	Landscaping		38.623976 ° -121.560372 °	38.623812 ° -121.561345 °	40
98	14.79	14.82	Earthen Levee	Encroachments	WS PO	Landscaping		38.620077 ° -121.560120 °	38.619630 ° -121.560067 °	38

* 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/Rated C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/10/2010 11/10/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
99	14.85	14.90	Earthen Levee	Encroachments	WS PO	Landscaping		38.619112 ° -121.560113 °	38.618493 ° -121.560070 °	37
100	14.92	14.92	Earthen Levee	Encroachments	WS PO	Landscaping		38.618163 ° -121.560113 °	38.618163 ° -121.560113 °	36
101	14.98	15.02	Earthen Levee	Encroachments	WS PO	Landscaping		38.617388 ° -121.559970 °	38.616835 ° -121.559807 °	35
102	15.33	15.38	Earthen Levee	Encroachments	WS PO	Landscaping		38.612555 ° -121.558258 °	38.611900 ° -121.558303 °	34
103	15.46	15.48	Earthen Levee	Encroachments	WS PO	Fences		38.610787 ° -121.557817 °	38.610455 ° -121.557638 °	33
104	15.50	15.52	Earthen Levee	Encroachments	WS PO	Fences		38.610180 ° -121.557453 °	38.609908 ° -121.557328 °	32
105	15.54	15.57	Earthen Levee	Encroachments	WS CO	Landscaping		38.609743 ° -121.557252 °	38.609315 ° -121.557000 °	31
106	15.70	15.73	Earthen Levee	Encroachments	WS CO	Landscaping		38.607715 ° -121.555847 °	38.607345 ° -121.555538 °	30
107	15.74	15.82	Earthen Levee	Encroachments	WS CO	Fences		38.607207 ° -121.555465 °	38.606255 ° -121.554582 °	29
108	15.85	15.87	Earthen Levee	Encroachments	WS PO	Landscaping		38.605915 ° -121.554290 °	38.605687 ° -121.554070 °	28
109	15.88	15.91	Earthen Levee	Encroachments	WS PO	Landscaping		38.605585 ° -121.553983 °	38.605273 ° -121.553663 °	27
110	15.91	15.93	Earthen Levee	Encroachments	WS PO	Landscaping		38.605265 ° -121.553647 °	38.605032 ° -121.553437 °	26
111	15.93	15.97	Earthen Levee	Encroachments	WS PO	Landscaping		38.605002 ° -121.553413 °	38.604598 ° -121.553008 °	25
112	16.09	16.10	Earthen Levee	Encroachments	WS PO	Landscaping		38.603083 ° -121.551690 °	38.602943 ° -121.551593 °	23
113	16.11	16.13	Earthen Levee	Encroachments	WS PO	Landscaping		38.602870 ° -121.551598 °	38.602617 ° -121.551330 °	22
114	16.14	16.16	Earthen Levee	Encroachments	WS PO	Landscaping		38.602517 ° -121.551248 °	38.602373 ° -121.550963 °	21
115	16.20	16.23	Earthen Levee	Encroachments	WS PO	Fences		38.601977 ° -121.550473 °	38.601678 ° -121.550142 °	20
116	16.30	16.33	Earthen Levee	Encroachments	WS PO	Landscaping		38.600988 ° -121.549198 °	38.600665 ° -121.548795 °	19
117	16.34	16.36	Earthen Levee	Encroachments	WS PO	Landscaping		38.600525 ° -121.548640 °	38.600397 ° -121.548447 °	18
118	16.86	16.90	Earthen Levee	Encroachments	WS CO	Fences		38.602328 ° -121.540788 °	38.602688 ° -121.540157 °	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/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River							Left	18.60	11/10/2010 11/10/2010	Clay Thomas
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
119	16.90	16.95	Earthen Levee	Encroachments	WS PO	Fences		38.602693 ° -121.540165 °	38.603092 ° -121.539490 °	15
120	16.97	17.00	Earthen Levee	Encroachments	WS PO	Fences		38.603242 ° -121.539318 °	38.603597 ° -121.538875 °	14
121	17.06	17.18	Earthen Levee	Encroachments	WS PO	Fences		38.604188 ° -121.538027 °	38.604890 ° -121.536105 °	13
122	17.63	17.63	Earthen Levee	Encroachments	WS PO	Fences		38.605566 ° -121.528005 °	38.605566 ° -121.528005 °	24
123	17.64	17.74	Earthen Levee	Encroachments	WS PO	Fences		38.605645 ° -121.527902 °	38.605542 ° -121.526112 °	11
124	17.77	17.82	Earthen Levee	Encroachments	WS CO	Buildings		38.605482 ° -121.525492 °	38.605447 ° -121.524678 °	10
125	17.82	17.91	Earthen Levee	Encroachments	WS CO	Buildings		38.605445 ° -121.524675 °	38.605305 ° -121.522958 °	8
126	17.83	17.86	Earthen Levee	Encroachments	LS CO	Buildings		38.605420 ° -121.524375 °	38.605462 ° -121.523852 °	9
127	17.91	17.94	Earthen Levee	Encroachments	WS CO	Buildings		38.605300 ° -121.522957 °	38.605200 ° -121.522422 °	7
128	18.10	18.10	Earthen Levee	Encroachments	WS CO	Buildings		38.604788 ° -121.519720 °	38.604788 ° -121.519720 °	6
129	18.10	18.18	Earthen Levee	Encroachments	WS CO	Buildings		38.604758 ° -121.519610 °	38.604532 ° -121.518190 °	5
130	18.21	18.40	Earthen Levee	Encroachments	WS CO	Buildings		38.604515 ° -121.517635 °	38.603918 ° -121.514370 °	4

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/10/2010 11/10/2010	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation

levee mile 0.00, land side vegetation. This is part of the levee widening.

cathom_f_20101122_204.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.00, vegetation water side.

cathom_f_20101122_202.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This is the water side of the levee at levee mile 0.30.

cathom_f_20101122_203.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/10/2010 11/10/2010	Clay Thomas

Levee Mile Report Line	5
Start Levee Mile	0.48
End Levee Mile	0.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 15 ft berm, 2.5:1 slope, seepage, clays and silts, 4.89 ft/s [2009 SiteID:SAC_78-3_L]	
cathom_f_20100928_025.JPG	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 1000 Natomas

Waterway			Bank	Unit Miles
Unit No. 02 American River			Right	2.33

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/16/2010		9/28/2010	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

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

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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 2010

Reclamation District No. 1000 Natomas

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River						Right	2.33	11/03/2010 11/03/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	2.33	Earthen Levee	Encroachments	LS	PO	Landscaping	38.603979 ° -121.510865 °	38.605980 ° -121.470627 °	1 Y
2	0.00	2.33	Earthen Levee	Encroachments	WS	PO	Landscaping	38.603979 ° -121.510865 °	38.605980 ° -121.470627 °	2 Y
3	0.00	2.33	Earthen Levee	Vegetation	WS	A	Control annual grass and weeds on the levee slopes and easements.	38.603979 ° -121.510865 °	38.605980 ° -121.470628 °	4 Y
4	0.00	2.33	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	38.603979 ° -121.510865 °	38.605980 ° -121.470627 °	5 Y

*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	11/03/2010 11/03/2010	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Land side encroachment, landscaping, levee mile 1.68.	
cathom_f_20100928_026.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Water side encroachment, landscaping, levee mile 1.68.	
cathom_f_20100928_027.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Levee mile 2.33, looking across Garden Hwy at the water side.	
cathom_f_20101108_183.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	11/03/2010 11/03/2010	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Levee mile 2.33 looking down stream.	
cathom_f_20101108_184.jpg	

*** Location**

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WS : Water Side
CR : Crown

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M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 1000 Natomas

Waterway			Bank	Unit Miles
Unit No. 03 Natomas East Canal			Right	17.17

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/16/2010		9/28/2010	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

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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).

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Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal						Right	17.17	10/27/2010 10/27/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.05	3.44	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.606466 ° -121.469923 °	38.654102 ° -121.475836 °	10
2	0.07	0.13	Earthen Levee	Encroachments	LS	PO	Fences	38.606882 ° -121.469480 °	38.607523 ° -121.469033 °	7
3	0.30	0.32	Earthen Levee	Encroachments	LS	PO	Fences	38.609865 ° -121.468183 °	38.610162 ° -121.468122 °	5
4	0.53	0.57	Earthen Levee	Encroachments	LS	PO	Fences	38.613077 ° -121.468133 °	38.613700 ° -121.468263 °	4
5	3.05	3.10	Earthen Levee	Encroachments	LS	PO	Fences	38.648677 ° -121.474882 °	38.649412 ° -121.475005 °	3
6	5.83	17.08	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	38.685309 ° -121.485466 °	38.821521 ° -121.542465 °	1 Y
7	5.83	17.08	Earthen Levee	Vegetation	WS	A	Control annual grass and weeds on the levee slopes and easements.	38.685310 ° -121.485466 °	38.821521 ° -121.542465 °	2 Y
8	15.51	16.07	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.816259 ° -121.522787 °	38.823314 ° -121.526942 °	9
9	16.06	16.65	Earthen Levee	Crown Surface / Depressions / Rutting	CR	W	Add appropriate gravel or road base. Grade and compact. Inspector Comments: levee rebuild, needs AB.	38.823755 ° -121.527219 °	38.825210 ° -121.536088 °	8

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/27/2010 10/27/2010	Clay Thomas

Levee Mile Report Line	6
Start Levee Mile	5.83
End Levee Mile	17.08
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Levee mile 5.83. land side.

cathom_f_20101101_179.jpg



Levee Mile Report Line	7
Start Levee Mile	5.83
End Levee Mile	17.08
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 5.83. water side.

cathom_f_20101101_180.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 1000 Natomas

Waterway			Bank	Unit Miles
Unit No. 04 Natomas Cross Canal			Left	4.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/16/2010		9/28/2010	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

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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).

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 04 Natomas Cross Canal				Left	4.38	10/27/2010 10/27/2010	Clay Thomas	

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	4.38	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.819915 ° -121.545040 °	38.780510 ° -121.603431 °	1 Y
2	0.00	4.38	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.819915 ° -121.545039 °	38.780510 ° -121.603431 °	2 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.38	10/27/2010 10/27/2010	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	4.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Levee mile 0.00, land side.	
cathom_f_20101101_182.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	4.38
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Levee mile 0.00, water side.	
cathom_f_20101101_181.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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