

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD1000</b>	Overall LMA Rating	Total LMA Miles				
<b>Reclamation District No. 1000 Natomas</b>	<b>A</b>	<b>42.48</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.13		0.13	0.31%		
Trim / Thin Trees	0.02		0.02	0.05%		
Encroachments	0.01		0.01	0.02%	11.91	1.44
Slope Stability	0.01		0.01	0.02%		
<i>Supplemental</i>						
USACE Erosion Survey	0.25		0.25	0.59%		
<i>LMA Totals:</i>	0.42	0.00	0.42	0.99%	11.91	1.44

<b>Unit No. 01 Sacramento River LB</b>	Overall Unit Rating	Total Unit Miles				
<b>RD1000</b>	<b>A</b>	<b>18.60</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.01		0.01	0.05%		
Encroachments					7.64	1.44
<i>Supplemental</i>						
USACE Erosion Survey	0.25		0.25	1.34%		
<i>Unit Totals:</i>	0.26	0.00	0.26	1.40%	7.64	1.44

<b>Unit No. 02 American River RB</b>	Overall Unit Rating	Total Unit Miles				
<b>RD1000</b>	<b>A</b>	<b>2.33</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					3.54	
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	3.54	0.00

<b>Unit No. 03 Natomas East Canal RB</b>	Overall Unit Rating	Total Unit Miles				
<b>RD1000</b>	<b>A</b>	<b>17.17</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.12		0.12	0.70%		
Trim / Thin Trees	0.02		0.02	0.12%		
Encroachments	0.01		0.01	0.06%	0.73	
Slope Stability	0.01		0.01	0.06%		
<i>Unit Totals:</i>	0.16	0.00	0.16	0.93%	0.73	0.00

<b>Unit No. 04 Natomas Cross Canal LB</b>	Overall Unit Rating	Total Unit Miles				
<b>RD1000</b>	<b>A</b>	<b>4.38</b>				
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 2011 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 2011 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)			<b>A</b>	
Date of Inspection	3/10/2011 - 3/10/2011		11/23/2011 - 11/23/2011	
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, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.05	18.27	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.779957 ° -121.602912 °	38.604032 ° -121.511138 °	673 Y
2	0.05	18.27	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.779957 ° -121.602913 °	38.604032 ° -121.511400 °	672 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	0.43	0.49	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Very cohesive toe. 2005 - Site was staked and rock was stockpiled along the top of the bank. 2010 - New adjacent levee under construction. 2011: New animal burrow. [2011 Site ID: SAC_78-3_L]	38.774507 ° -121.598865 °	38.772921 ° -121.597788 °	12 Y
6	1.44	1.63	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Levee section problem at irrigation pump; levee veers away from river on the downstream end. 2005 - Site was staked and rock was stockpiled along the top of the bank. 2006 - Minor new erosion. 2010 - New adjacent levee is under construction. 2011: New erosion. Site is under contract for repair, expected completion in 2012. [2011 Site ID: SAC_77-2_L]	38.761061 ° -121.591885 °	38.759210 ° -121.592102 °	39 Y
7	1.69	1.71	Earthen Levee	Encroachments	WS PO		Landscaping	38.758697 ° -121.591178 °	38.758447 ° -121.591253 °	136
8	1.74	1.77	Earthen Levee	Encroachments	WS PO		Landscaping	38.757962 ° -121.591342 °	38.757480 ° -121.591147 °	135
9	1.77	1.79	Earthen Levee	Encroachments	WS PO		Landscaping	38.757478 ° -121.591140 °	38.757238 ° -121.591272 °	134
10	1.88	1.91	Earthen Levee	Encroachments	WS PO		Landscaping	38.755975 ° -121.591433 °	38.755585 ° -121.591530 °	133
11	1.96	1.98	Earthen Levee	Encroachments	WS PO		Landscaping	38.754848 ° -121.591742 °	38.754562 ° -121.591795 °	132
12	2.02	2.03	Earthen Levee	Encroachments	WS PO		Landscaping	38.753983 ° -121.591737 °	38.753848 ° -121.591797 °	129
13	2.04	2.04	Earthen Levee	Encroachments	WS PO		Landscaping	38.753691 ° -121.592149 °	38.753691 ° -121.592149 °	123
14	2.11	2.18	Earthen Levee	Encroachments	WS PO		Landscaping	38.752513 ° -121.592017 °	38.751822 ° -121.592857 °	122
15	2.55	2.70	Earthen Levee	Encroachments	WS PO		Landscaping	38.747087 ° -121.595582 °	38.745127 ° -121.596793 °	121

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	5.23	5.29	Earthen Levee	Encroachments	WS PO	Landscaping		38.711248 ° -121.610500 °	38.710700 ° -121.611233 °	120
17	5.31	5.34	Earthen Levee	Encroachments	WS PO	Landscaping		38.710508 ° -121.611450 °	38.710132 ° -121.611882 °	119
18	5.68	5.72	Earthen Levee	Encroachments	WS CO	Landscaping		38.706593 ° -121.616155 °	38.706082 ° -121.616385 °	118
19	5.72	5.75	Earthen Levee	Encroachments	WS PO	Landscaping		38.706085 ° -121.616385 °	38.705662 ° -121.616837 °	117
20	6.04	6.07	Earthen Levee	Encroachments	WS PO	Landscaping		38.702742 ° -121.620557 °	38.702467 ° -121.620947 °	116
21	6.20	6.22	Earthen Levee	Encroachments	WS PO	Landscaping		38.701422 ° -121.622755 °	38.701120 ° -121.623063 °	113
22	6.22	6.25	Earthen Levee	Encroachments	WS CO	Landscaping		38.701120 ° -121.623065 °	38.700822 ° -121.623468 °	112
23	6.36	6.39	Earthen Levee	Encroachments	WS CO	Landscaping		38.699877 ° -121.624948 °	38.699575 ° -121.625475 °	111
24	6.41	6.47	Earthen Levee	Encroachments	WS PO	Landscaping		38.756757 ° -121.596252 °	38.757943 ° -121.599515 °	124
25	6.43	6.47	Earthen Levee	Encroachments	WS PO	Landscaping		38.699237 ° -121.626088 °	38.698907 ° -121.626617 °	110
26	6.49	6.49	Earthen Levee	Encroachments	WS PO	Landscaping		38.758607 ° -121.601933 °	38.758607 ° -121.601933 °	125
27	6.57	6.57	Earthen Levee	Encroachments	WS PO	Buildings		38.698179 ° -121.628077 °	38.698179 ° -121.628077 °	17
28	6.58	6.61	Earthen Levee	Encroachments	WS PO	Landscaping		38.697958 ° -121.628273 °	38.697773 ° -121.628682 °	109
29	6.61	6.70	Earthen Levee	Encroachments	WS PO	Landscaping		38.697775 ° -121.628685 °	38.696618 ° -121.629425 °	108
30	6.76	6.78	Earthen Levee	Encroachments	WS PO	Landscaping		38.695892 ° -121.630053 °	38.695642 ° -121.630353 °	107
31	6.88	6.89	Earthen Levee	Encroachments	WS PO	Landscaping		38.694348 ° -121.631007 °	38.694187 ° -121.631200 °	106
32	6.89	6.92	Earthen Levee	Encroachments	WS PO	Landscaping		38.694192 ° -121.631203 °	38.693932 ° -121.631470 °	105
33	6.92	6.95	Earthen Levee	Encroachments	WS PO	Landscaping		38.693935 ° -121.631478 °	38.693412 ° -121.631765 °	104
34	6.99	7.03	Earthen Levee	Encroachments	WS PO	Landscaping		38.693043 ° -121.632048 °	38.692553 ° -121.632373 °	103

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
35	7.03	7.07	Earthen Levee	Encroachments	WS PO	Landscaping		38.692535 ° -121.632423 °	38.691872 ° -121.632490 °	102
36	7.10	7.16	Earthen Levee	Encroachments	WS PO	Landscaping		38.691422 ° -121.632585 °	38.690707 ° -121.632842 °	101
37	7.16	7.18	Earthen Levee	Encroachments	WS PO	Landscaping		38.690678 ° -121.632840 °	38.690367 ° -121.632797 °	100
38	7.22	7.27	Earthen Levee	Encroachments	WS PO	Landscaping		38.689753 ° -121.632788 °	38.689077 ° -121.633003 °	99
39	7.36	7.36	Earthen Levee	Encroachments	WS PO	Landscaping		38.687808 ° -121.632495 °	38.687808 ° -121.632495 °	98
40	7.39	7.43	Earthen Levee	Encroachments	WS PO	Landscaping		38.687347 ° -121.632433 °	38.686780 ° -121.632138 °	96
41	7.50	7.50	Earthen Levee	Encroachments	WS PO	Landscaping		38.685843 ° -121.632012 °	38.685843 ° -121.632012 °	1
42	7.66	7.72	Earthen Levee	Encroachments	WS PO	Landscaping		38.683620 ° -121.631180 °	38.682742 ° -121.631190 °	95
43	7.72	7.75	Earthen Levee	Encroachments	WS PO	Landscaping		38.682742 ° -121.631168 °	38.682310 ° -121.631085 °	94
44	7.81	7.86	Earthen Levee	Encroachments	WS PO	Landscaping		38.681592 ° -121.630768 °	38.680837 ° -121.630530 °	93
45	8.08	8.11	Earthen Levee	Encroachments	WS PO	Landscaping		38.678023 ° -121.628670 °	38.677672 ° -121.628432 °	92
46	8.18	8.19	Earthen Levee	Encroachments	WS PO	Landscaping		38.676893 ° -121.627860 °	38.676747 ° -121.627725 °	91
47	8.22	8.25	Earthen Levee	Encroachments	WS CO	Landscaping		38.676425 ° -121.627462 °	38.676038 ° -121.627063 °	90
48	8.25	8.28	Earthen Levee	Encroachments	WS PO	Landscaping		38.676040 ° -121.627063 °	38.675772 ° -121.626785 °	89
49	8.36	8.38	Earthen Levee	Encroachments	WS PO	Landscaping		38.674830 ° -121.625830 °	38.674610 ° -121.625652 °	88
50	8.38	8.42	Earthen Levee	Encroachments	WS PO	Landscaping		38.674607 ° -121.625655 °	38.674117 ° -121.625143 °	87
51	8.56	8.59	Earthen Levee	Encroachments	WS PO	Landscaping		38.672878 ° -121.623203 °	38.672603 ° -121.622892 °	86
52	8.60	8.66	Earthen Levee	Encroachments	WS PO	Landscaping		38.672487 ° -121.622783 °	38.671790 ° -121.622118 °	85
53	8.77	8.86	Earthen Levee	Encroachments	WS PO	Landscaping		38.670647 ° -121.620632 °	38.669790 ° -121.619482 °	84

**\* Location**

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**\*\* Rating**

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
54	8.96	8.98	Earthen Levee	Encroachments	WS PO	Landscaping		38.668898 ° -121.618195 °	38.668672 ° -121.617775 °	83
55	8.98	9.02	Earthen Levee	Encroachments	WS CO	Landscaping		38.668673 ° -121.617772 °	38.668405 ° -121.617278 °	82
56	9.03	9.08	Earthen Levee	Encroachments	WS PO	Landscaping		38.668312 ° -121.617138 °	38.667783 ° -121.616382 °	81
57	9.09	9.11	Earthen Levee	Encroachments	WS PO	Landscaping		38.667672 ° -121.616215 °	38.667552 ° -121.616018 °	80
58	9.11	9.14	Earthen Levee	Encroachments	WS PO	Landscaping		38.667505 ° -121.615912 °	38.667255 ° -121.615525 °	79
59	9.15	9.17	Earthen Levee	Encroachments	WS PO	Landscaping		38.667250 ° -121.615522 °	38.667028 ° -121.615115 °	78
60	9.19	9.22	Earthen Levee	Encroachments	WS CO	Fences		38.666821 ° -121.615019 °	38.666604 ° -121.614672 °	2
61	9.57	9.57	Earthen Levee	Encroachments	WS CO	Buildings		38.663307 ° -121.609949 °	38.663307 ° -121.609949 °	959
62	10.88	10.92	Earthen Levee	Encroachments	WS CO	Landscaping		38.648127 ° -121.595872 °	38.647663 ° -121.595483 °	74
63	10.95	10.99	Earthen Levee	Encroachments	WS CO	Landscaping		38.647373 ° -121.595248 °	38.646825 ° -121.594800 °	73
64	11.23	11.30	Earthen Levee	Encroachments	WS PO	Landscaping		38.644548 ° -121.591768 °	38.644302 ° -121.590572 °	72
65	11.42	11.51	Earthen Levee	Encroachments	WS CO	Landscaping		38.644393 ° -121.588498 °	38.644702 ° -121.586992 °	70
66	11.84	11.88	Earthen Levee	Encroachments	WS PO	Landscaping		38.647408 ° -121.582090 °	38.647773 ° -121.581423 °	69
67	12.33	12.35	Earthen Levee	Encroachments	WS PO	Landscaping		38.653208 ° -121.573895 °	38.650245 ° -121.572188 °	66
68	12.35	12.43	Earthen Levee	Encroachments	WS PO	Landscaping		38.650867 ° -121.573877 °	38.648223 ° -121.569630 °	67
69	12.44	12.55	Earthen Levee	Encroachments	WS PO	Landscaping		38.651785 ° -121.571670 °	38.649560 ° -121.570438 °	65
70	12.55	12.59	Earthen Levee	Encroachments	WS PO	Landscaping		38.649533 ° -121.570387 °	38.649253 ° -121.569810 °	64
71	12.59	12.64	Earthen Levee	Encroachments	WS CO	Landscaping		38.649253 ° -121.569815 °	38.648895 ° -121.569043 °	62
72	12.64	12.67	Earthen Levee	Encroachments	WS PO	Landscaping		38.648897 ° -121.569030 °	38.648588 ° -121.568467 °	61

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Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

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Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
73	12.72	12.77	Earthen Levee	Encroachments	WS CO	Landscaping		38.648172 ° -121.567843 °	38.647738 ° -121.567167 °	60
74	12.77	12.85	Earthen Levee	Encroachments	WS PO	Landscaping		38.647665 ° -121.567045 °	38.646812 ° -121.566135 °	59
75	12.89	12.98	Earthen Levee	Encroachments	WS CO	Landscaping		38.646400 ° -121.565695 °	38.645302 ° -121.564733 °	58
76	13.07	13.07	Earthen Levee	Animal Control	WS C	Exterminate rodents and backfill and compact or grout burrows.		38.644340 ° -121.564131 °	38.644340 ° -121.564131 °	53
77	13.08	13.08	Earthen Levee	Encroachments	WS PO	Landscaping		38.644028 ° -121.563823 °	38.644028 ° -121.563823 °	56
78	13.12	13.13	Earthen Levee	Encroachments	WS PO	Landscaping		38.643527 ° -121.563518 °	38.643378 ° -121.563402 °	55
79	13.13	13.14	Earthen Levee	Encroachments	WS PO	Fences		38.643380 ° -121.563400 °	38.643275 ° -121.563307 °	54
80	13.26	13.30	Earthen Levee	Encroachments	WS PO	Landscaping		38.641620 ° -121.562753 °	38.641113 ° -121.562557 °	52
81	13.34	17.63	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.640469 ° -121.562502 °	38.605560 ° -121.528054 °	956
82	13.36	13.41	Earthen Levee	Encroachments	WS PO	Landscaping		38.640205 ° -121.562370 °	38.639540 ° -121.562238 °	51
83	13.47	13.51	Earthen Levee	Encroachments	WS PO	Landscaping		38.638668 ° -121.562085 °	38.638065 ° -121.562015 °	50
84	13.51	13.55	Earthen Levee	Encroachments	WS PO	Landscaping		38.638067 ° -121.562013 °	38.637600 ° -121.561932 °	49
85	13.55	13.58	Earthen Levee	Encroachments	WS PO	Landscaping		38.637602 ° -121.561930 °	38.637060 ° -121.561833 °	48
86	13.58	13.62	Earthen Levee	Encroachments	WS PO	Landscaping		38.637052 ° -121.561833 °	38.636527 ° -121.561743 °	47
87	13.62	13.64	Earthen Levee	Encroachments	WS PO	Landscaping		38.636522 ° -121.561743 °	38.636250 ° -121.561667 °	46
88	13.68	13.70	Earthen Levee	Encroachments	WS PO	Landscaping		38.635638 ° -121.561570 °	38.635387 ° -121.561497 °	45
89	13.70	13.72	Earthen Levee	Encroachments	WS PO	Landscaping		38.635390 ° -121.561490 °	38.635032 ° -121.561482 °	44
90	13.86	13.90	Earthen Levee	Encroachments	WS CO	Fences		38.633238 ° -121.561097 °	38.632590 ° -121.560915 °	43
91	14.21	14.24	Earthen Levee	Encroachments	WS CO	Landscaping		38.628300 ° -121.560180 °	38.627873 ° -121.560202 °	42

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor



**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
92	14.31	14.32	Earthen Levee	Encroachments	WS PO	Landscaping		38.626905 ° -121.560062 °	38.626863 ° -121.561015 °	41
93	14.38	14.52	Earthen Levee	Encroachments	WS CO	Landscaping		38.623976 ° -121.560372 °	38.623812 ° -121.561345 °	40
94	14.79	14.82	Earthen Levee	Encroachments	WS PO	Landscaping		38.620077 ° -121.560120 °	38.619630 ° -121.560067 °	38
95	14.85	14.90	Earthen Levee	Encroachments	WS PO	Landscaping		38.619112 ° -121.560113 °	38.618493 ° -121.560070 °	37
96	14.92	14.92	Earthen Levee	Encroachments	WS PO	Landscaping		38.618163 ° -121.560113 °	38.618163 ° -121.560113 °	36
97	14.98	15.02	Earthen Levee	Encroachments	WS PO	Landscaping		38.617388 ° -121.559970 °	38.616835 ° -121.559807 °	35
98	15.33	15.38	Earthen Levee	Encroachments	WS PO	Landscaping		38.612555 ° -121.558258 °	38.611900 ° -121.558303 °	34
99	15.46	15.48	Earthen Levee	Encroachments	WS PO	Fences		38.610787 ° -121.557817 °	38.610455 ° -121.557638 °	33
100	15.50	15.52	Earthen Levee	Encroachments	WS PO	Fences		38.610180 ° -121.557453 °	38.609908 ° -121.557328 °	32
101	15.54	15.57	Earthen Levee	Encroachments	WS CO	Landscaping		38.609743 ° -121.557252 °	38.609315 ° -121.557000 °	31
102	15.70	15.73	Earthen Levee	Encroachments	WS CO	Landscaping		38.607715 ° -121.555847 °	38.607345 ° -121.555538 °	30
103	15.74	15.82	Earthen Levee	Encroachments	WS CO	Fences		38.607207 ° -121.555465 °	38.606255 ° -121.554582 °	29
104	15.85	15.87	Earthen Levee	Encroachments	WS PO	Landscaping		38.605915 ° -121.554290 °	38.605687 ° -121.554070 °	28
105	15.88	15.91	Earthen Levee	Encroachments	WS PO	Landscaping		38.605585 ° -121.553983 °	38.605273 ° -121.553663 °	27
106	15.91	15.93	Earthen Levee	Encroachments	WS PO	Landscaping		38.605265 ° -121.553647 °	38.605032 ° -121.553437 °	26
107	15.93	15.97	Earthen Levee	Encroachments	WS PO	Landscaping		38.605002 ° -121.553413 °	38.604598 ° -121.553008 °	25
108	16.09	16.10	Earthen Levee	Encroachments	WS PO	Landscaping		38.603083 ° -121.551690 °	38.602943 ° -121.551593 °	23
109	16.11	16.13	Earthen Levee	Encroachments	WS PO	Landscaping		38.602870 ° -121.551598 °	38.602617 ° -121.551330 °	22
110	16.14	16.16	Earthen Levee	Encroachments	WS PO	Landscaping		38.602517 ° -121.551248 °	38.602373 ° -121.550963 °	21

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Left	18.60	11/23/2011 11/23/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
111	16.20	16.23	Earthen Levee	Encroachments	WS PO	Fences		38.601977 ° -121.550473 °	38.601678 ° -121.550142 °	20
112	16.30	16.33	Earthen Levee	Encroachments	WS PO	Landscaping		38.600988 ° -121.549198 °	38.600665 ° -121.548795 °	19
113	16.34	16.36	Earthen Levee	Encroachments	WS PO	Landscaping		38.600525 ° -121.548640 °	38.600397 ° -121.548447 °	18
114	16.86	16.90	Earthen Levee	Encroachments	WS CO	Fences		38.602328 ° -121.540788 °	38.602688 ° -121.540157 °	16
115	16.90	16.95	Earthen Levee	Encroachments	WS PO	Fences		38.602693 ° -121.540165 °	38.603092 ° -121.539490 °	15
116	16.97	17.00	Earthen Levee	Encroachments	WS PO	Fences		38.603242 ° -121.539318 °	38.603597 ° -121.538875 °	14
117	17.06	17.18	Earthen Levee	Encroachments	WS PO	Fences		38.604188 ° -121.538027 °	38.604890 ° -121.536105 °	13
118	17.42	17.42	Earthen Levee	Vegetation	LS M	Remove the wild growth other than native grasses from the levee slopes.		38.605490 ° -121.531868 °	38.605490 ° -121.531868 °	57
119	17.63	17.63	Earthen Levee	Encroachments	WS PO	Fences		38.605566 ° -121.528005 °	38.605566 ° -121.528005 °	24
120	17.64	17.74	Earthen Levee	Encroachments	WS PO	Fences		38.605645 ° -121.527902 °	38.605542 ° -121.526112 °	11
121	17.77	17.82	Earthen Levee	Encroachments	WS CO	Buildings		38.605482 ° -121.525492 °	38.605447 ° -121.524678 °	10
122	17.82	17.91	Earthen Levee	Encroachments	WS CO	Buildings		38.605445 ° -121.524675 °	38.605305 ° -121.522958 °	8
123	17.83	17.86	Earthen Levee	Encroachments	LS CO	Buildings		38.605420 ° -121.524375 °	38.605462 ° -121.523852 °	9
124	17.91	17.94	Earthen Levee	Encroachments	WS CO	Buildings		38.605300 ° -121.522957 °	38.605200 ° -121.522422 °	7
125	18.10	18.10	Earthen Levee	Encroachments	WS CO	Buildings		38.604788 ° -121.519720 °	38.604788 ° -121.519720 °	6
126	18.10	18.18	Earthen Levee	Encroachments	WS CO	Buildings		38.604758 ° -121.519610 °	38.604532 ° -121.518190 °	5
127	18.21	18.40	Earthen Levee	Encroachments	WS CO	Buildings		38.604515 ° -121.517635 °	38.603918 ° -121.514370 °	4

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/23/2011 11/23/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.05
End Levee Mile	18.27
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.30.

cathom\_f\_20111201\_022.jpg



Levee Mile Report Line	2
Start Levee Mile	0.05
End Levee Mile	18.27
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.30.

cathom\_f\_20111201\_021.jpg



Levee Mile Report Line	5
Start Levee Mile	0.43
End Levee Mile	0.49
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_SAC\_78-3\_L\_1.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

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

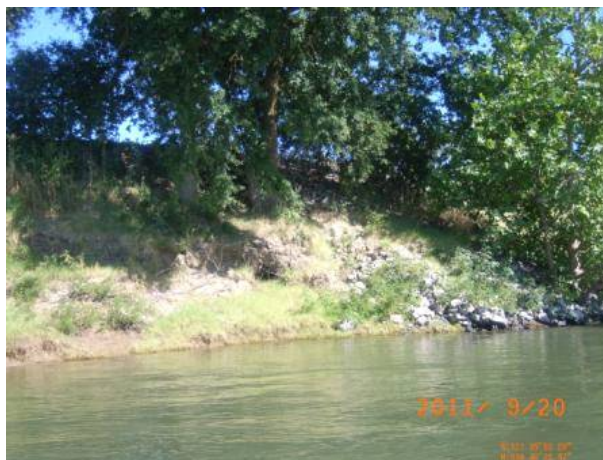
**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/23/2011 11/23/2011	Clay Thomas

Levee Mile Report Line	5
Start Levee Mile	0.43
End Levee Mile	0.49
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

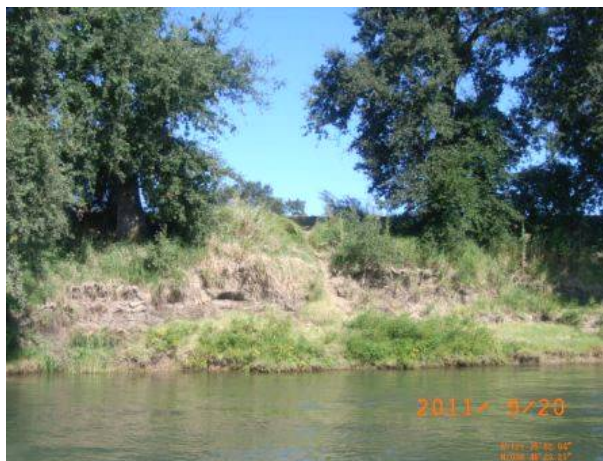
USACE2011\_SAC\_78-3\_L\_2.jpg



Levee Mile Report Line	5
Start Levee Mile	0.43
End Levee Mile	0.49
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011\_SAC\_78-3\_L\_3.jpg



Levee Mile Report Line	6
Start Levee Mile	1.44
End Levee Mile	1.63
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_SAC\_77-2\_L\_1.jpg

**\* Location**

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WS : Water Side  
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**Flood Control Project Maintenance  
Levee Inspections**

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

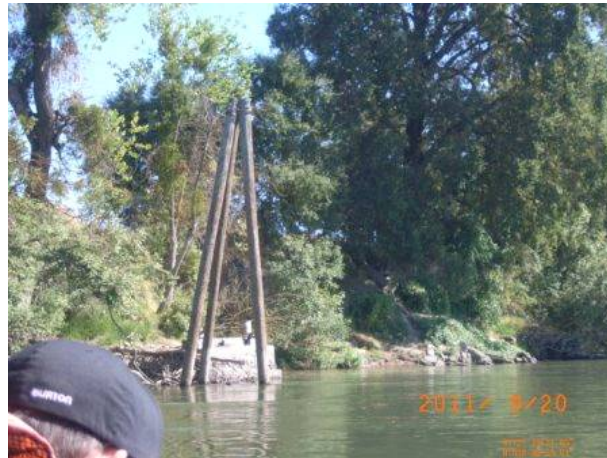
**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	11/23/2011 11/23/2011	Clay Thomas

Levee Mile Report Line	6
Start Levee Mile	1.44
End Levee Mile	1.63
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_SAC\_77-2\_L\_2.jpg



Levee Mile Report Line	6
Start Levee Mile	1.44
End Levee Mile	1.63
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011\_SAC\_77-2\_L\_3.jpg



Levee Mile Report Line	6
Start Levee Mile	1.44
End Levee Mile	1.63
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #4

USACE2011\_SAC\_77-2\_L\_4.jpg



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

**Unit Cover Sheet**

**Fall 2011 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)			<b>A</b>	
Date of Inspection	4/8/2011 - 4/8/2011		11/29/2011 - 11/29/2011	
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, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River						Right	2.33	11/29/2011 11/29/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	2.33	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.603979 ° -121.510870 °	38.605980 ° -121.470630 °	39 Y
2	0.00	2.33	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.603979 ° -121.510870 °	38.605980 ° -121.470630 °	40 Y
3	0.56	2.33	Earthen Levee	Encroachments	LS	PO	Landscaping	38.607549 ° -121.501797 °	38.605980 ° -121.470627 °	1 Y
4	0.56	2.33	Earthen Levee	Encroachments	WS	PO	Landscaping	38.607549 ° -121.501797 °	38.605980 ° -121.470627 °	2 Y

**\* Location**

LS : Land Side  
WS : Water Side  
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**\*\* Rating**

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	11/29/2011 11/29/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.56.

cathom\_f\_20111201\_023.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.56.

cathom\_f\_20111201\_024.jpg



Levee Mile Report Line	3
Start Levee Mile	0.56
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Land side encroachment, landscaping, levee mile 1.68.

cathom\_f\_20111010\_377.jpg



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

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

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	11/29/2011 11/29/2011	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	0.56
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Water side encroachment, landscaping, levee mile 1.68.	
cathom_f_20111010_378.jpg	

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 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)			<b>A</b>	
Date of Inspection	3/9/2011 - 4/8/2011		11/22/2011 - 11/22/2011	
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.
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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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Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal							Right	17.17	11/22/2011 11/22/2011	Clay Thomas
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.07	0.13	Earthen Levee	Encroachments	LS	PO	Fences	38.606882 ° -121.469480 °	38.607523 ° -121.469033 °	7
2	0.30	0.32	Earthen Levee	Encroachments	LS	PO	Fences	38.609865 ° -121.468183 °	38.610162 ° -121.468122 °	5
3	0.53	0.57	Earthen Levee	Encroachments	LS	PO	Fences	38.613077 ° -121.468133 °	38.613700 ° -121.468263 °	4
4	0.56	0.56	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.613427 ° -121.468136 °	38.613427 ° -121.468136 °	331
5	0.73	0.85	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.615822 ° -121.468613 °	38.617427 ° -121.468901 °	12
6	2.03	2.03	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.634236 ° -121.472106 °	38.634236 ° -121.472106 °	330
7	3.05	3.10	Earthen Levee	Encroachments	LS	PO	Fences	38.648677 ° -121.474882 °	38.649412 ° -121.475005 °	3
8	5.03	5.03	Earthen Levee	Encroachments	LS	M	Debris	38.674191 ° -121.484257 °	38.674191 ° -121.484257 °	11 Y
9	5.83	17.11	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.685330 ° -121.485472 °	38.821163 ° -121.542763 °	327 Y
10	5.83	17.11	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.685330 ° -121.485471 °	38.821163 ° -121.542763 °	328 Y
11	6.82	6.82	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	38.699432 ° -121.485592 °	38.699432 ° -121.485592 °	329
12	15.51	16.07	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.816259 ° -121.522787 °	38.823314 ° -121.526942 °	9

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	11/22/2011 11/22/2011	Clay Thomas

Levee Mile Report Line	8
Start Levee Mile	5.03
End Levee Mile	5.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 5.03, this is the landside shoulder and slope.

cathom\_f\_20111010\_445.jpg



Levee Mile Report Line	9
Start Levee Mile	5.83
End Levee Mile	17.11
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 5.83.

cathom\_f\_20111201\_017.jpg



Levee Mile Report Line	10
Start Levee Mile	5.83
End Levee Mile	17.11
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 5.83.

cathom\_f\_20111201\_018.jpg



**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
W : Watch/Monitor

N : Not Inspected, see Inspector Comment    C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 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)			<b>A</b>	
Date of Inspection	3/9/2011 - 3/9/2011		11/23/2011 - 11/23/2011	
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, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.38	11/23/2011 11/23/2011	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.12	4.33	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.819634 ° -121.545503 °	38.781160 ° -121.603447 °	57 Y
2	0.12	4.33	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.819634 ° -121.545503 °	38.781161 ° -121.603446 °	58 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.38	11/23/2011 11/23/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.12
End Levee Mile	4.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 0.23.

cathom\_f\_20111201\_019.jpg



Levee Mile Report Line	2
Start Levee Mile	0.12
End Levee Mile	4.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 0.23.

cathom\_f\_20111201\_020.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
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