

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 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	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.02%	2.98	0.76		
Encroachments	0.01		0.01	0.02%	7.43	0.68		
Slope Stability	0.01		0.01	0.02%				
<i>Supplemental</i>								
USACE Erosion Survey	0.10		0.10	0.24%				
<i>LMA Totals:</i>	0.13	0.00	0.13	0.31%	10.41	1.44	0.00	0.00

Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD1000	A	18.60						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.05%	2.88	0.76		
Encroachments					4.70	0.68		
<i>Supplemental</i>								
USACE Erosion Survey	0.10		0.10	0.54%				
<i>Unit Totals:</i>	0.11	0.00	0.11	0.59%	7.58	1.44	0.00	0.00

Unit No. 02 American River RB	Overall Unit Rating	Total Unit Miles						
RD1000	A	2.33						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					1.77			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.77	0.00	0.00	0.00

Unit No. 03 Natomas East Canal RB	Overall Unit Rating	Total Unit Miles						
RD1000	A	17.17						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.10			
Encroachments	0.01		0.01	0.06%	0.96			
Slope Stability	0.01		0.01	0.06%				
<i>Unit Totals:</i>	0.02	0.00	0.02	0.12%	1.06	0.00	0.00	0.00

Unit No. 04 Natomas Cross Canal LB	Overall Unit Rating	Total Unit Miles						
RD1000	A	4.38						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 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 2012 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	05/17/2012 - 05/17/2012		10/03/2012 - 10/23/2012	
DWR Inspector	Rick Burnett		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River							Left	18.60	10/03/2012 10/23/2012	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	53	
								DWR ID: DWR_RD1000_01_s_2012_53			
2			Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	63	
								DWR ID: DWR_RD1000_01_s_2012_63			
3			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	68	
								DWR ID: DWR_RD1000_01_s_2012_68			
4	0.08	0.08	Earthen Levee	Encroachments	WS	M En	BU : Building	38.779583 ° -121.602598 °	38.779583 ° -121.602598 °	957	
								DWR ID: DWR_RD1000_01_s_2012_957			
5	0.18	0.22	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.778408 ° -121.601488 °	38.777902 ° -121.601062 °	131 Y	
								DWR ID: DWR_RD1000_01_s_2012_131			
6	0.20	18.20	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.777189 ° -121.600058 °	38.603666 ° -121.512276 °	71 Y	
								DWR ID: DWR_RD1000_01_f_2012_71			
7	0.20	18.20	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.777188 ° -121.600058 °	38.603666 ° -121.512276 °	75 Y	
								DWR ID: DWR_RD1000_01_f_2012_75			
8	0.51	0.61	Supplemental	USACE Erosion Survey	WS	M Ma	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. 2012: No observed change. [2012 Site ID: SAC_78-3_L]	38.774507 ° -121.598865 °	38.772921 ° -121.597788 °	3 Y	
								DWR ID:			
9	1.65	1.65	Earthen Levee	Encroachments	WS	U En	FE : Fence	38.759320 ° -121.591343 °	38.759320 ° -121.591343 °	136 Y	
								DWR ID: DWR_RD1000_01_s_2012_136			
10	1.74	1.77	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.757962 ° -121.591342 °	38.757480 ° -121.591147 °	135	
								DWR ID: DWR_RD1000_01_s_2012_135			
11	1.77	1.79	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.757478 ° -121.591140 °	38.757238 ° -121.591272 °	134	
								DWR ID: DWR_RD1000_01_s_2012_134			
12	1.88	1.91	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.755975 ° -121.591433 °	38.755585 ° -121.591530 °	133 Y	
								DWR ID: DWR_RD1000_01_s_2012_133			
13	1.96	1.98	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.754848 ° -121.591742 °	38.754562 ° -121.591795 °	132	
								DWR ID: DWR_RD1000_01_s_2012_132			
14	2.02	2.03	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.753983 ° -121.591737 °	38.753848 ° -121.591797 °	129	
								DWR ID: DWR_RD1000_01_s_2012_129			

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Sacramento River					Left	18.60	10/03/2012 10/23/2012		Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	2.04	2.04	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.753691 ° -121.592149 °	38.753691 ° -121.592149 °	123
DWR ID: DWR_RD1000_01_s_2012_123										
16	2.11	2.18	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.752513 ° -121.592017 °	38.751822 ° -121.592857 °	122
DWR ID: DWR_RD1000_01_s_2012_122										
17	2.55	2.70	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.747087 ° -121.595582 °	38.745127 ° -121.596793 °	121
DWR ID: DWR_RD1000_01_s_2012_121										
18	5.23	5.29	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.711248 ° -121.610500 °	38.710700 ° -121.611233 °	120
DWR ID: DWR_RD1000_01_s_2012_120										
19	5.31	5.34	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.710508 ° -121.611450 °	38.710132 ° -121.611882 °	119
DWR ID: DWR_RD1000_01_s_2012_119										
20	5.68	5.72	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.706593 ° -121.616155 °	38.706082 ° -121.616385 °	118
DWR ID: DWR_RD1000_01_s_2012_118										
21	5.72	5.75	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.706085 ° -121.616385 °	38.705662 ° -121.616837 °	117
DWR ID: DWR_RD1000_01_s_2012_117										
22	6.04	6.07	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.702742 ° -121.620557 °	38.702467 ° -121.620947 °	116
DWR ID: DWR_RD1000_01_s_2012_116										
23	6.20	6.22	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.701422 ° -121.622755 °	38.701120 ° -121.623063 °	113
DWR ID: DWR_RD1000_01_s_2012_113										
24	6.22	6.25	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.701120 ° -121.623065 °	38.700822 ° -121.623468 °	112
DWR ID: DWR_RD1000_01_s_2012_112										
25	6.36	6.39	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.699877 ° -121.624948 °	38.699575 ° -121.625475 °	111
DWR ID: DWR_RD1000_01_s_2012_111										
26	6.41	6.47	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.756757 ° -121.596252 °	38.757943 ° -121.599515 °	124
DWR ID: DWR_RD1000_01_s_2012_124										
27	6.43	6.47	Earthen Levee	Vegetation	WS	C En	V6 : Landscaping	38.699237 ° -121.626088 °	38.698907 ° -121.626617 °	110
DWR ID: DWR_RD1000_01_s_2012_110										
28	6.49	6.49	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.758607 ° -121.601933 °	38.758607 ° -121.601933 °	125
DWR ID: DWR_RD1000_01_s_2012_125										
29	6.57	6.57	Earthen Levee	Encroachments	WS	M En	BU : Building	38.698179 ° -121.628077 °	38.698179 ° -121.628077 °	17 Y
DWR ID: DWR_RD1000_01_s_2012_17										
30	6.58	6.61	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.697958 ° -121.628273 °	38.697773 ° -121.628682 °	109
DWR ID: DWR_RD1000_01_s_2012_109										

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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River					Left	18.60	10/03/2012 10/23/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
31	6.61	6.70	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.697775 ° -121.628685 °	38.696618 ° -121.629425 °	108
DWR ID: DWR_RD1000_01_s_2012_108										
32	6.76	6.78	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.695892 ° -121.630053 °	38.695642 ° -121.630353 °	107
DWR ID: DWR_RD1000_01_s_2012_107										
33	6.88	6.89	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.694348 ° -121.631007 °	38.694187 ° -121.631200 °	106
DWR ID: DWR_RD1000_01_s_2012_106										
34	6.89	6.92	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.694192 ° -121.631203 °	38.693932 ° -121.631470 °	105
DWR ID: DWR_RD1000_01_s_2012_105										
35	6.92	6.95	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.693935 ° -121.631478 °	38.693412 ° -121.631765 °	104
DWR ID: DWR_RD1000_01_s_2012_104										
36	6.99	7.03	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.693043 ° -121.632048 °	38.692553 ° -121.632373 °	103
DWR ID: DWR_RD1000_01_s_2012_103										
37	7.03	7.07	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.692535 ° -121.632423 °	38.691872 ° -121.632490 °	102
DWR ID: DWR_RD1000_01_s_2012_102										
38	7.10	7.16	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.691422 ° -121.632585 °	38.690707 ° -121.632842 °	101
DWR ID: DWR_RD1000_01_s_2012_101										
39	7.16	7.18	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.690678 ° -121.632840 °	38.690367 ° -121.632797 °	100
DWR ID: DWR_RD1000_01_s_2012_100										
40	7.22	7.27	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.689753 ° -121.632788 °	38.689077 ° -121.633003 °	99
DWR ID: DWR_RD1000_01_s_2012_99										
41	7.36	7.36	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.687808 ° -121.632495 °	38.687808 ° -121.632495 °	98
DWR ID: DWR_RD1000_01_s_2012_98										
42	7.39	7.43	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.687347 ° -121.632433 °	38.686780 ° -121.632138 °	96
DWR ID: DWR_RD1000_01_s_2012_96										
43	7.50	7.50	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.685843 ° -121.632012 °	38.685843 ° -121.632012 °	1
DWR ID: DWR_RD1000_01_s_2012_1										
44	7.66	7.72	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.683620 ° -121.631180 °	38.682742 ° -121.631190 °	95
DWR ID: DWR_RD1000_01_s_2012_95										
45	7.72	7.75	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.682742 ° -121.631168 °	38.682310 ° -121.631085 °	94
DWR ID: DWR_RD1000_01_s_2012_94										
46	7.81	7.86	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.681592 ° -121.630768 °	38.680837 ° -121.630530 °	93
DWR ID: DWR_RD1000_01_s_2012_93										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River					Left	18.60	10/03/2012 10/23/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
47	8.08	8.11	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.678023 ° -121.628670 °	38.677672 ° -121.628432 °	92
DWR ID: DWR_RD1000_01_s_2012_92										
48	8.18	8.19	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.676893 ° -121.627860 °	38.676747 ° -121.627725 °	91
DWR ID: DWR_RD1000_01_s_2012_91										
49	8.22	8.25	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.676425 ° -121.627462 °	38.676038 ° -121.627063 °	90
DWR ID: DWR_RD1000_01_s_2012_90										
50	8.25	8.28	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.676040 ° -121.627063 °	38.675772 ° -121.626785 °	89
DWR ID: DWR_RD1000_01_s_2012_89										
51	8.36	8.38	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.674830 ° -121.625830 °	38.674610 ° -121.625652 °	88
DWR ID: DWR_RD1000_01_s_2012_88										
52	8.38	8.42	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.674607 ° -121.625655 °	38.674117 ° -121.625143 °	87
DWR ID: DWR_RD1000_01_s_2012_87										
53	8.56	8.59	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.672878 ° -121.623203 °	38.672603 ° -121.622892 °	86
DWR ID: DWR_RD1000_01_s_2012_86										
54	8.60	8.66	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.672487 ° -121.622783 °	38.671790 ° -121.622118 °	85
DWR ID: DWR_RD1000_01_s_2012_85										
55	8.77	8.86	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.670647 ° -121.620632 °	38.669790 ° -121.619482 °	84
DWR ID: DWR_RD1000_01_s_2012_84										
56	8.96	8.98	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.668898 ° -121.618195 °	38.668672 ° -121.617775 °	83
DWR ID: DWR_RD1000_01_s_2012_83										
57	8.98	9.02	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.668673 ° -121.617772 °	38.668405 ° -121.617278 °	82
DWR ID: DWR_RD1000_01_s_2012_82										
58	9.03	9.08	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.668312 ° -121.617138 °	38.667783 ° -121.616382 °	81
DWR ID: DWR_RD1000_01_s_2012_81										
59	9.09	9.11	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.667672 ° -121.616215 °	38.667552 ° -121.616018 °	80
DWR ID: DWR_RD1000_01_s_2012_80										
60	9.11	9.14	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.667505 ° -121.615912 °	38.667255 ° -121.615525 °	79
DWR ID: DWR_RD1000_01_s_2012_79										
61	9.15	9.17	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.667250 ° -121.615522 °	38.667028 ° -121.615115 °	78
DWR ID: DWR_RD1000_01_s_2012_78										
62	9.19	9.22	Earthen Levee	Encroachments	WS	U En	FE : Fence	38.666821 ° -121.615019 °	38.666604 ° -121.614672 °	2
DWR ID: DWR_RD1000_01_s_2012_2										

*** Location**

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LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
63	10.88	10.92	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.648127 ° -121.595872 °	38.647663 ° -121.595483 °	74	
								DWR ID: DWR_RD1000_01_s_2012_74			
64	10.95	10.99	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.647373 ° -121.595248 °	38.646825 ° -121.594800 °	73	
								DWR ID: DWR_RD1000_01_s_2012_73			
65	11.23	11.30	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.644548 ° -121.591768 °	38.644302 ° -121.590572 °	72	
								DWR ID: DWR_RD1000_01_s_2012_72			
66	11.42	11.51	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.644393 ° -121.588498 °	38.644702 ° -121.586992 °	70	
								DWR ID: DWR_RD1000_01_s_2012_70			
67	11.84	11.88	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.647408 ° -121.582090 °	38.647773 ° -121.581423 °	69	
								DWR ID: DWR_RD1000_01_s_2012_69			
68	12.33	12.35	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.653208 ° -121.573895 °	38.650245 ° -121.572188 °	66	
								DWR ID: DWR_RD1000_01_s_2012_66			
69	12.35	12.43	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.650867 ° -121.573877 °	38.648223 ° -121.569630 °	67	
								DWR ID: DWR_RD1000_01_s_2012_67			
70	12.44	12.55	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.651785 ° -121.571670 °	38.649560 ° -121.570438 °	65	
								DWR ID: DWR_RD1000_01_s_2012_65			
71	12.55	12.59	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.649533 ° -121.570387 °	38.649253 ° -121.569810 °	64	
								DWR ID: DWR_RD1000_01_s_2012_64			
72	12.59	12.64	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.649253 ° -121.569815 °	38.648895 ° -121.569043 °	62	
								DWR ID: DWR_RD1000_01_s_2012_62			
73	12.64	12.67	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.648897 ° -121.569030 °	38.648588 ° -121.568467 °	61	
								DWR ID: DWR_RD1000_01_s_2012_61			
74	12.72	12.77	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.648172 ° -121.567843 °	38.647738 ° -121.567167 °	60	
								DWR ID: DWR_RD1000_01_s_2012_60			
75	12.77	12.85	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.647665 ° -121.567045 °	38.646812 ° -121.566135 °	59	
								DWR ID: DWR_RD1000_01_s_2012_59			
76	12.89	12.98	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.646400 ° -121.565695 °	38.645302 ° -121.564733 °	58	
								DWR ID: DWR_RD1000_01_s_2012_58			
77	13.08	13.08	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.644028 ° -121.563823 °	38.644028 ° -121.563823 °	56	
								DWR ID: DWR_RD1000_01_s_2012_56			
78	13.12	13.13	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.643527 ° -121.563518 °	38.643378 ° -121.563402 °	55	
								DWR ID: DWR_RD1000_01_s_2012_55			

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River				Left	18.60	10/03/2012 10/23/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
79	13.13	13.14	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.643380 ° -121.563400 °	38.643275 ° -121.563307 °	54
DWR ID: DWR_RD1000_01_s_2012_54										
80	13.26	13.30	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.641620 ° -121.562753 °	38.641113 ° -121.562557 °	52
DWR ID: DWR_RD1000_01_s_2012_52										
81	13.34	17.63	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.640469 ° -121.562502 °	38.605560 ° -121.528054 °	956
DWR ID: DWR_RD1000_01_s_2012_956										
82	13.36	13.41	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.640205 ° -121.562370 °	38.639540 ° -121.562238 °	51
DWR ID: DWR_RD1000_01_s_2012_51										
83	13.47	13.51	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.638668 ° -121.562085 °	38.638065 ° -121.562015 °	50
DWR ID: DWR_RD1000_01_s_2012_50										
84	13.51	13.55	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.638067 ° -121.562013 °	38.637600 ° -121.561932 °	49
DWR ID: DWR_RD1000_01_s_2012_49										
85	13.55	13.58	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.637602 ° -121.561930 °	38.637060 ° -121.561833 °	48
DWR ID: DWR_RD1000_01_s_2012_48										
86	13.58	13.62	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.637052 ° -121.561833 °	38.636527 ° -121.561743 °	47
DWR ID: DWR_RD1000_01_s_2012_47										
87	13.62	13.64	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.636522 ° -121.561743 °	38.636250 ° -121.561667 °	46
DWR ID: DWR_RD1000_01_s_2012_46										
88	13.68	13.70	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.635638 ° -121.561570 °	38.635387 ° -121.561497 °	45
DWR ID: DWR_RD1000_01_s_2012_45										
89	13.70	13.72	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.635390 ° -121.561490 °	38.635032 ° -121.561482 °	44
DWR ID: DWR_RD1000_01_s_2012_44										
90	13.86	13.90	Earthen Levee	Encroachments	WS	U En	FE : Fence	38.633238 ° -121.561097 °	38.632590 ° -121.560915 °	43
DWR ID: DWR_RD1000_01_s_2012_43										
91	14.21	14.24	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.628300 ° -121.560180 °	38.627873 ° -121.560202 °	42
DWR ID: DWR_RD1000_01_s_2012_42										
92	14.31	14.32	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.626905 ° -121.560062 °	38.626863 ° -121.561015 °	41
DWR ID: DWR_RD1000_01_s_2012_41										
93	14.38	14.52	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.623976 ° -121.560372 °	38.623812 ° -121.561345 °	40
DWR ID: DWR_RD1000_01_s_2012_40										
94	14.79	14.82	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.620077 ° -121.560120 °	38.619630 ° -121.560067 °	38
DWR ID: DWR_RD1000_01_s_2012_38										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River							Left	18.60	10/03/2012 10/23/2012	Clay Thomas
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
95	14.85	14.90	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.619112 ° -121.560113 °	38.618493 ° -121.560070 °	37
								DWR ID: DWR_RD1000_01_s_2012_37		
96	14.92	14.92	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.618163 ° -121.560113 °	38.618163 ° -121.560113 °	36
								DWR ID: DWR_RD1000_01_s_2012_36		
97	14.98	15.02	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.617388 ° -121.559970 °	38.616835 ° -121.559807 °	35
								DWR ID: DWR_RD1000_01_s_2012_35		
98	15.33	15.38	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.612555 ° -121.558258 °	38.611900 ° -121.558303 °	34
								DWR ID: DWR_RD1000_01_s_2012_34		
99	15.35	15.35	Earthen Levee	Encroachments	WS	M En	BU : Building	38.612340 ° -121.558633 °	38.612340 ° -121.558633 °	76 Y
								DWR ID: DWR_RD1000_01_f_2012_76		
100	15.46	15.48	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.610787 ° -121.557817 °	38.610455 ° -121.557638 °	33
								DWR ID: DWR_RD1000_01_s_2012_33		
101	15.50	15.52	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.610180 ° -121.557453 °	38.609908 ° -121.557328 °	32
								DWR ID: DWR_RD1000_01_s_2012_32		
102	15.54	15.57	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.609743 ° -121.557252 °	38.609315 ° -121.557000 °	31
								DWR ID: DWR_RD1000_01_s_2012_31		
103	15.70	15.73	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.607715 ° -121.555847 °	38.607345 ° -121.555538 °	30
								DWR ID: DWR_RD1000_01_s_2012_30		
104	15.74	15.82	Earthen Levee	Encroachments	WS	U En	FE : Fence	38.607207 ° -121.555465 °	38.606255 ° -121.554582 °	29
								DWR ID: DWR_RD1000_01_s_2012_29		
105	15.85	15.87	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.605915 ° -121.554290 °	38.605687 ° -121.554070 °	28
								DWR ID: DWR_RD1000_01_s_2012_28		
106	15.88	15.91	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.605585 ° -121.553983 °	38.605273 ° -121.553663 °	27
								DWR ID: DWR_RD1000_01_s_2012_27		
107	15.91	15.93	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.605265 ° -121.553647 °	38.605032 ° -121.553437 °	26
								DWR ID: DWR_RD1000_01_s_2012_26		
108	15.93	15.97	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.605002 ° -121.553413 °	38.604598 ° -121.553008 °	25
								DWR ID: DWR_RD1000_01_s_2012_25		
109	16.09	16.10	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.603083 ° -121.551690 °	38.602943 ° -121.551593 °	23
								DWR ID: DWR_RD1000_01_s_2012_23		
110	16.11	16.13	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.602870 ° -121.551598 °	38.602617 ° -121.551330 °	22
								DWR ID: DWR_RD1000_01_s_2012_22		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River				Left	18.60	10/03/2012 10/23/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
111	16.14	16.16	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.602517 ° -121.551248 °	38.602373 ° -121.550963 °	21
DWR ID: DWR_RD1000_01_s_2012_21										
112	16.20	16.23	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.601977 ° -121.550473 °	38.601678 ° -121.550142 °	20
DWR ID: DWR_RD1000_01_s_2012_20										
113	16.30	16.33	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.600988 ° -121.549198 °	38.600665 ° -121.548795 °	19
DWR ID: DWR_RD1000_01_s_2012_19										
114	16.34	16.36	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.600525 ° -121.548640 °	38.600397 ° -121.548447 °	18
DWR ID: DWR_RD1000_01_s_2012_18										
115	16.86	16.90	Earthen Levee	Encroachments	WS	U En	FE : Fence	38.602328 ° -121.540788 °	38.602688 ° -121.540157 °	16
DWR ID: DWR_RD1000_01_s_2012_16										
116	16.90	16.95	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.602693 ° -121.540165 °	38.603092 ° -121.539490 °	15
DWR ID: DWR_RD1000_01_s_2012_15										
117	16.97	17.00	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.603242 ° -121.539318 °	38.603597 ° -121.538875 °	14
DWR ID: DWR_RD1000_01_s_2012_14										
118	17.06	17.18	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.604188 ° -121.538027 °	38.604890 ° -121.536105 °	13
DWR ID: DWR_RD1000_01_s_2012_13										
119	17.42	17.42	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.605490 ° -121.531868 °	38.605490 ° -121.531868 °	57
DWR ID: DWR_RD1000_01_s_2012_57										
120	17.63	17.63	Earthen Levee	Encroachments	WS	C En	FE : Fence	38.605566 ° -121.528005 °	38.605566 ° -121.528005 °	24
DWR ID: DWR_RD1000_01_s_2012_24										
121	17.64	17.74	Earthen Levee	Encroachments	WS	M En	FE : Fence	38.605645 ° -121.527902 °	38.605542 ° -121.526112 °	11
DWR ID: DWR_RD1000_01_s_2012_11										
122	17.77	17.82	Earthen Levee	Encroachments	WS	U En	BU : Building	38.605482 ° -121.525492 °	38.605447 ° -121.524678 °	10
DWR ID: DWR_RD1000_01_s_2012_10										
123	17.82	17.91	Earthen Levee	Encroachments	WS	U En	BU : Building	38.605445 ° -121.524675 °	38.605305 ° -121.522958 °	8
DWR ID: DWR_RD1000_01_s_2012_8										
124	17.83	17.86	Earthen Levee	Encroachments	LS	U En	BU : Building	38.605420 ° -121.524375 °	38.605462 ° -121.523852 °	9
DWR ID: DWR_RD1000_01_s_2012_9										
125	17.91	17.94	Earthen Levee	Encroachments	WS	U En	BU : Building	38.605300 ° -121.522957 °	38.605200 ° -121.522422 °	7
DWR ID: DWR_RD1000_01_s_2012_7										
126	18.10	18.10	Earthen Levee	Encroachments	WS	U En	BU : Building	38.604788 ° -121.519720 °	38.604788 ° -121.519720 °	6
DWR ID: DWR_RD1000_01_s_2012_6										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Left	18.60	10/03/2012 10/23/2012	Clay Thomas	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
127	18.10	18.18	Earthen Levee	Encroachments	WS	U	BU : Building En	38.604758 ° -121.519610 °	38.604532 ° -121.518190 °	5
								DWR ID: DWR_RD1000_01_s_2012_5		
128	18.21	18.40	Earthen Levee	Encroachments	WS	U	BU : Building En	38.604515 ° -121.517635 °	38.603918 ° -121.514370 °	4
								DWR ID: DWR_RD1000_01_s_2012_4		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	10/03/2012 10/23/2012	Clay Thomas

Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.22
Location	Water Side
Category	Earthen Levee
Item	Vegetation

RD 1000 Unit 1 W/S - Landscaping - Typical throughout unit.

cathom_f_20120912_080.JPG



Levee Mile Report Line	6
Start Levee Mile	0.20
End Levee Mile	18.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.20, The landside levee slope.

cathom_f_20121113_245.JPG



Levee Mile Report Line	7
Start Levee Mile	0.20
End Levee Mile	18.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.20, The waterside slope.

cathom_f_20121113_244.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

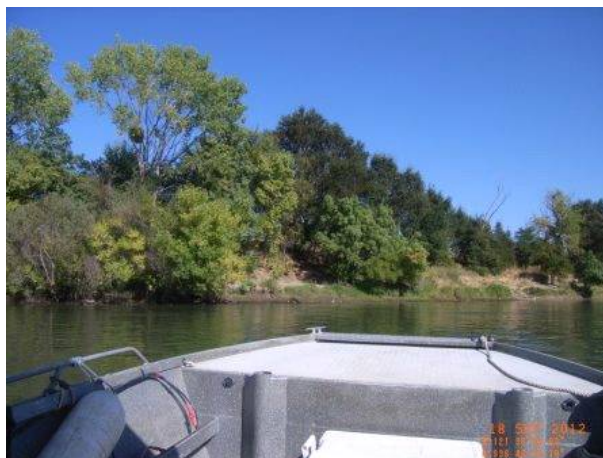
Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	10/03/2012 10/23/2012	Clay Thomas

Levee Mile Report Line	8
Start Levee Mile	0.51
End Levee Mile	0.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2012_SAC_78-3_L_1.jpg



Levee Mile Report Line	8
Start Levee Mile	0.51
End Levee Mile	0.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2012_SAC_78-3_L_2.jpg



Levee Mile Report Line	9
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Unauthorized encroachment, 'Fence'

cathom_f_20120912_082.JPG

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	10/03/2012 10/23/2012	Clay Thomas

Levee Mile Report Line	12
Start Levee Mile	1.88
End Levee Mile	1.91
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Typical Garden Hwy 'Landscaping'

cathom_f_20120912_081.JPG



Levee Mile Report Line	29
Start Levee Mile	6.57
End Levee Mile	6.57
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Newly Constructed Home

cathom_f_20120912_075.JPG



Levee Mile Report Line	99
Start Levee Mile	15.35
End Levee Mile	15.35
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Levee mile 15.35, cargo container on levee shoulder, the property appears to be on fill material.

cathom_f_20121113_246.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 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	05/18/2012 - 05/18/2012		10/23/2012 - 10/23/2012	
DWR Inspector	Rick Burnett		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 American River				Right	2.33	10/23/2012 10/23/2012	Clay Thomas	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.02	2.33	Earthen Levee	Vegetation	WS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	38.603979 ° -121.510865 °	38.605980 ° -121.470627 °	2 Y
DWR ID: DWR_RD1000_02_s_2012_2										
2	0.56	2.33	Earthen Levee	Encroachments	LS	M	UR : Urban	38.607549 ° -121.501797 °	38.605980 ° -121.470627 °	1 Y
DWR ID: DWR_RD1000_02_s_2012_1										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	10/23/2012 10/23/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.00, waterside levee slope.

cathom_f_20121113_247.JPG



Levee Mile Report Line	2
Start Levee Mile	0.56
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Landside encroachment, landscaping, levee mile 1.68.

cathom_f_20120912_083.jpg



Levee Mile Report Line	2
Start Levee Mile	0.56
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 0.56. This photo is looking upstream from the waterside levee shoulder to the landside shoulder.

cathom_f_20121113_248.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 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)			A	
Date of Inspection	05/18/2012 - 05/18/2012		10/03/2012 - 10/03/2012	
DWR Inspector	Rick Burnett		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal				Right	17.17	10/03/2012 10/03/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.05	16.90	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.606434 ° -121.469996 °	38.820927 ° -121.543287 °	6 Y
DWR ID: DWR_RD1000_03_f_2012_6										
2	0.05	16.90	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.606433 ° -121.469995 °	38.820927 ° -121.543287 °	12 Y
DWR ID: DWR_RD1000_03_f_2012_12										
3	0.07	0.13	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.606882 ° -121.469480 °	38.607523 ° -121.469033 °	7 Y
DWR ID: DWR_RD1000_03_s_2012_7										
4	0.30	0.32	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.609865 ° -121.468183 °	38.610162 ° -121.468122 °	5
DWR ID: DWR_RD1000_03_s_2012_5										
5	0.53	0.57	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.613077 ° -121.468133 °	38.613700 ° -121.468263 °	4
DWR ID: DWR_RD1000_03_s_2012_4										
6	2.12	2.27	Earthen Levee	Trim / Thin Trees	LS	C Ma	T1 : Trim trees to at least five feet above ground level.	38.635452 ° -121.472412 °	38.637483 ° -121.472780 °	1
DWR ID: DWR_RD1000_03_s_2012_1										
7	2.16	2.39	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.636063 ° -121.472472 °	38.639342 ° -121.473098 °	15
DWR ID: DWR_RD1000_03_f_2012_15										
8	2.59	3.16	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.642131 ° -121.473619 °	38.650121 ° -121.475087 °	16
DWR ID: DWR_RD1000_03_f_2012_16										
9	3.05	3.10	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.648677 ° -121.474882 °	38.649412 ° -121.475005 °	3 Y
DWR ID: DWR_RD1000_03_s_2012_3										
10	3.38	3.38	Earthen Levee	Encroachments	LS	C En	EQ : Equipment	38.653373 ° -121.475668 °	38.653373 ° -121.475668 °	2
DWR ID: DWR_RD1000_03_s_2012_2										
11	3.89	4.04	Earthen Levee	Trim / Thin Trees	LS	C Ma	T1 : Trim trees to at least five feet above ground level.	38.660563 ° -121.477063 °	38.662688 ° -121.477477 °	8
DWR ID: DWR_RD1000_03_s_2012_8										
12	5.03	5.03	Earthen Levee	Encroachments	LS	M Ma	DE : Debris	38.674191 ° -121.484257 °	38.674191 ° -121.484257 °	11 Y
DWR ID: DWR_RD1000_03_s_2012_11										
13	6.82	6.82	Earthen Levee	Slope Stability	WS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	38.699432 ° -121.485592 °	38.699432 ° -121.485592 °	329 Y
DWR ID: DWR_RD1000_03_s_2012_329										
14	12.54	12.54	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.779083 ° -121.500392 °	38.779083 ° -121.500392 °	13 Y
DWR ID: DWR_RD1000_03_s_2012_13										
15	12.54	12.63	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.779037 ° -121.500397 °	38.779505 ° -121.500955 °	10 Y
DWR ID: DWR_RD1000_03_s_2012_10										

*** Location**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/03/2012 10/03/2012	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	15.51	16.07	Earthen Levee	Encroachments	LS	M	DT : Ditch	38.816259 °	38.823314 °	9
						En		-121.522787 °	-121.526942 °	Y
DWR ID: DWR_RD1000_03_s_2012_9										

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/03/2012 10/03/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.05
End Levee Mile	16.90
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.05, The landside slope of the levee.

cathom_f_20121113_250.JPG



Levee Mile Report Line	2
Start Levee Mile	0.05
End Levee Mile	16.90
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.05. This is the waterside slope of the levee.

cathom_f_20121113_251.JPG



Levee Mile Report Line	3
Start Levee Mile	0.07
End Levee Mile	0.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence with vegetation at L/S toe.

cathom_f_20120912_088.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/03/2012 10/03/2012	Clay Thomas

Levee Mile Report Line	9
Start Levee Mile	3.05
End Levee Mile	3.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence within 10' of L/S toe.

cathom_f_20120912_087.JPG



Levee Mile Report Line	12
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_20120912_092.jpg



Levee Mile Report Line	13
Start Levee Mile	6.82
End Levee Mile	6.82
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

W/S slope damage. Control vehicle traffic.

cathom_f_20120912_094.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/03/2012 10/03/2012	Clay Thomas

Levee Mile Report Line	14
Start Levee Mile	12.54
End Levee Mile	12.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation

L/S landscaping.

cathom_f_20120912_093.JPG



Levee Mile Report Line	15
Start Levee Mile	12.54
End Levee Mile	12.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation

W/S vegetation.

cathom_f_20120912_091.JPG



Levee Mile Report Line	16
Start Levee Mile	15.51
End Levee Mile	16.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments

L/S Ag ditch @ L/S toe.

cathom_f_20120912_090.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 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	05/18/2012 - 05/18/2012		10/03/2012 - 10/03/2012	
DWR Inspector	Rick Burnett		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.38	10/03/2012 10/03/2012	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	4.32	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.820220 ° -121.544463 °	38.781314 ° -121.603426 °	1 Y
DWR ID: DWR_RD1000_04_f_2012_1										
2	0.05	4.32	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.820220 ° -121.544463 °	38.781314 ° -121.603427 °	2 Y
DWR ID: DWR_RD1000_04_f_2012_2										

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.38	10/03/2012 10/03/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.05
End Levee Mile	4.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.05. The landside levee slope.

cathom_f_20121113_252.JPG



Levee Mile Report Line	2
Start Levee Mile	0.05
End Levee Mile	4.32
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.05. The waterside slope of the levee.

cathom_f_20121113_253.JPG



*** Location**

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WS : Water Side
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