

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 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	0.80		0.80	1.88%	2.96	0.76		
Encroachments					7.43	0.68		
<i>Supplemental</i>								
USACE Erosion Survey	0.10		0.10	0.24%				
<i>LMA Totals:</i>	0.90	0.00	0.90	2.12%	10.39	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	0.70		0.70	3.76%	2.86	0.76		
Encroachments					4.70	0.68		
<i>Supplemental</i>								
USACE Erosion Survey	0.10		0.10	0.54%				
<i>Unit Totals:</i>	0.80	0.00	0.80	4.30%	7.56	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		0.10	0.58%	0.10			
Encroachments					0.96			
<i>Unit Totals:</i>	0.10	0.00	0.10	0.58%	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 2013 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. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 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	04/09/2013 - 04/12/2013		10/08/2013 - 10/08/2013	
DWR Inspector	Pavel Kazi		Matthew Hoffman	
Accompanied By	Don Caldwell RD 1000		Don Caldwell RD1000	

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 2013

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River				Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.08	0.08	Earthen Levee	Encroachments	WS	M En	BU : Building	38.779583 ° -121.602598 °	38.779583 ° -121.602598 °	957 Y
DWR ID: DWR_RD1000_01_s_2012_957										
2	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										
3	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:										
4	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										
5	1.74	1.77	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.757962 ° -121.591342 °	38.757480 ° -121.591147 °	135 Y
DWR ID: DWR_RD1000_01_s_2012_135										
6	1.77	1.79	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.757478 ° -121.591140 °	38.757238 ° -121.591272 °	134 Y
DWR ID: DWR_RD1000_01_s_2012_134										
7	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										
8	1.96	1.98	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.754848 ° -121.591742 °	38.754562 ° -121.591795 °	132 Y
DWR ID: DWR_RD1000_01_s_2012_132										
9	2.02	2.03	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.753983 ° -121.591737 °	38.753848 ° -121.591797 °	129 Y
DWR ID: DWR_RD1000_01_s_2012_129										
10	2.04	2.04	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.753691 ° -121.592149 °	38.753691 ° -121.592149 °	123 Y
DWR ID: DWR_RD1000_01_s_2012_123										
11	2.11	2.18	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.752513 ° -121.592017 °	38.751822 ° -121.592857 °	122 Y
DWR ID: DWR_RD1000_01_s_2012_122										
12	2.55	2.70	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.747087 ° -121.595582 °	38.745127 ° -121.596793 °	121 Y
DWR ID: DWR_RD1000_01_s_2012_121										
13	5.23	5.29	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.711248 ° -121.610500 °	38.710700 ° -121.611233 °	120 Y
DWR ID: DWR_RD1000_01_s_2012_120										
14	5.31	5.34	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.710508 ° -121.611450 °	38.710132 ° -121.611882 °	119 Y
DWR ID: DWR_RD1000_01_s_2012_119										
15	5.68	5.72	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.706593 ° -121.616155 °	38.706082 ° -121.616385 °	118 Y
DWR ID: DWR_RD1000_01_s_2012_118										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Sacramento River					Left	18.60	10/08/2013 10/08/2013		Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	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										
17	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										
18	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										
19	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										
20	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										
21	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										
22	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										
23	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										
24	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										
25	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										
26	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										
27	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										
28	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										
29	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										
30	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										
31	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										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway							Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Sacramento River							Left	18.60	10/08/2013 10/08/2013		Matthew Hoffman
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
32	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			
33	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			
34	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			
35	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			
36	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			
37	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			
38	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			
39	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			
40	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			
41	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			
42	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			
43	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			
44	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			
45	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			
46	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			
47	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			

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River					Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
48	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										
49	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										
50	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										
51	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										
52	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										
53	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										
54	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										
55	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										
56	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										
57	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										
58	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										
59	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										
60	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										
61	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										
62	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										
63	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										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River					Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
64	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										
65	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										
66	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										
67	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										
68	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										
69	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										
70	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										
71	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										
72	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										
73	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										
74	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										
75	13.31	14.01	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.641163 ° -121.562661 °	38.631303 ° -121.560729 °	12 Y
DWR ID: DWR_RD1000_01_f_2013_12										
76	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										
77	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										
78	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										
79	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										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River					Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
80	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										
81	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										
82	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										
83	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										
84	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										
85	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										
86	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										
87	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										
88	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										
89	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										
90	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										
91	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										
92	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										
93	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										
94	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										
95	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										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River				Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
96	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										
97	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										
98	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										
99	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										
100	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										
101	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										
102	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										
103	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										
104	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										
105	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										
106	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										
107	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										
108	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										
109	16.34	16.36	Earthen Levee	Vegetation	WS	C En	V6 : Landscaping	38.600525 ° -121.548640 °	38.600397 ° -121.548447 °	18
DWR ID: DWR_RD1000_01_s_2012_18										
110	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										
111	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										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River				Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
112	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										
113	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										
114	17.42	17.42	Earthen Levee	Vegetation	LS	C 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										
115	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										
116	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										
117	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										
118	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										
119	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										
120	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										
121	18.10	18.18	Earthen Levee	Encroachments	WS	U En	BU : Building	38.604758 ° -121.519610 °	38.604532 ° -121.518190 °	5
DWR ID: DWR_RD1000_01_s_2012_5										
122	18.21	18.40	Earthen Levee	Encroachments	WS	U En	BU : Building	38.604515 ° -121.517635 °	38.603918 ° -121.514370 °	4
DWR ID: DWR_RD1000_01_s_2012_4										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	2
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.

mhoffman_f_20130917_109.JPG



Levee Mile Report Line	3
Start Levee Mile	0.51
End Levee Mile	0.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2013_SAC_78-3_L_1.jpg



Levee Mile Report Line	3
Start Levee Mile	0.51
End Levee Mile	0.61
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013_SAC_78-3_L_2.jpg



*** 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	4
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Unauthorized encroachment, 'Fence'

mhoffman_f_20130917_111.JPG



Levee Mile Report Line	7
Start Levee Mile	1.88
End Levee Mile	1.91
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Typical Garden Hwy 'Landscaping'

mhoffman_f_20130917_110.JPG



Levee Mile Report Line	23
Start Levee Mile	6.57
End Levee Mile	6.57
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Newly Constructed Home

mhoffman_f_20130917_107.JPG



*** 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.60	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	75
Start Levee Mile	13.31
End Levee Mile	14.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo was taken from the crown of the levee facing west looking at the joint grass on the landward slope.

mhoffman_f_20131009_650.JPG



Levee Mile Report Line	94
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.

mhoffman_f_20130917_108.JPG



*** 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**

Unit Cover Sheet

Fall 2013 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	04/09/2013 - 04/09/2013		10/08/2013 - 10/08/2013	
DWR Inspector	Pavel Kazi		Matthew Hoffman	
Accompanied By	Don Caldwell RD 1000		Don Caldwell RD1000	

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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.56	2.33	Earthen Levee	Encroachments	LS	M En	UR : Urban	38.607549 ° -121.501797 °	38.605980 ° -121.470627 °	1 Y
DWR ID: DWR_RD1000_02_s_2012_1										
2	0.93	0.93	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.608367 ° -121.495033 °	38.608367 ° -121.495033 °	2 Y
DWR ID: DWR_RD1000_02_f_2013_2										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.33	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	1
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.	
mhoffman_f_20130917_112.jpg	



Levee Mile Report Line	1
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.	
mhoffman_f_20130917_113.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.93
End Levee Mile	0.93
Location	Land Side
Category	Earthen Levee
Item	Vegetation
This photo is taken from the crown of the levee facing west looking down the landward levee slope. The levee has no unwanted vegetation and is properly maintained.	
mhoffman_f_20131009_651.JPG	



* 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**

Unit Cover Sheet

Fall 2013 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	04/09/2013 - 04/09/2013		10/08/2013 - 10/08/2013	
DWR Inspector	Pavel Kazi		Matthew Hoffman	
Accompanied By	Don Caldwell RD 1000		Don Caldwell RD1000	

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 2013

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal					Right	17.17	10/08/2013 10/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	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										
2	0.30	0.32	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.609865 ° -121.468183 °	38.610162 ° -121.468122 °	5 Y
DWR ID: DWR_RD1000_03_s_2012_5										
3	0.53	0.57	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.613077 ° -121.468133 °	38.613700 ° -121.468263 °	4 Y
DWR ID: DWR_RD1000_03_s_2012_4										
4	2.16	2.39	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.636063 ° -121.472472 °	38.639342 ° -121.473098 °	15 Y
DWR ID: DWR_RD1000_03_f_2012_15										
5	2.52	2.62	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	° °	° °	2
DWR ID: DWR_RD1000_03_f_2013_2										
6	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										
7	4.85	4.96	Earthen Levee	Animal Control	LS	A/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.672913 ° -121.481364 °	38.673685 ° -121.483115 °	1 Y
DWR ID: DWR_RD1000_03_f_2013_1										
8	5.03	5.03	Earthen Levee	Encroachments	LS	C Ma	DE : Debris	38.674191 ° -121.484257 °	38.674191 ° -121.484257 °	11 Y
DWR ID: DWR_RD1000_03_s_2012_11										
9	6.82	6.82	Earthen Levee	Slope Stability	WS	C 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										
10	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										
11	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										
12	15.51	16.07	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.816259 ° -121.522787 °	38.823314 ° -121.526942 °	9 Y
DWR ID: DWR_RD1000_03_s_2012_9										

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	1
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.

mhoffman_f_20130917_115.JPG



Levee Mile Report Line	6
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.

mhoffman_f_20130917_114.JPG



Levee Mile Report Line	7
Start Levee Mile	4.85
End Levee Mile	4.96
Location	Land Side
Category	Earthen Levee
Item	Animal Control

This photo was taken from the levee crown looking down the landward slope at a squirrel poking its head out of a hole.

mhoffman_f_20131009_652.JPG



* 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	17.17	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	10
Start Levee Mile	12.54
End Levee Mile	12.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation

L/S landscaping.

mhoffman_f_20130917_119.JPG



Levee Mile Report Line	11
Start Levee Mile	12.54
End Levee Mile	12.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation

W/S vegetation.

mhoffman_f_20130917_117.JPG



Levee Mile Report Line	12
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.

mhoffman_f_20130917_116.JPG



* 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**

Unit Cover Sheet

Fall 2013 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	04/09/2013 - 04/09/2013		10/08/2013 - 10/08/2013	
DWR Inspector	Pavel Kazi		Matthew Hoffman	
Accompanied By	Don Caldwell RD 1000		Don Caldwell RD1000	

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 2013

Reclamation District No. 1000 Natomas

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 04 Natomas Cross Canal					Left	4.38	10/08/2013 10/08/2013		Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	4.05	4.05	Earthen Levee	Vegetation	WS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	38.784592 °	38.784592 °	1
					Ma			-121.601052 °	-121.601052 °	Y

DWR ID: DWR_RD1000_04_f_2013_1

*** 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 2013

Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.38	10/08/2013 10/08/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	4.05
End Levee Mile	4.05
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo was taken from the levee crown facing east looking down the waterward slope of the levee. The levee has no unwanted vegetation and receives an acceptable rating.

mhoffman_f_20131009_653.JPG



* 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
--	---	---