

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

LD0002	Overall LMA Rating	Total LMA Miles						
Levee District No. 0002 (Glenn County)	A	4.89						
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					0.01			
Animal Control	0.25		0.25	5.11%				
Slope Stability	0.01		0.01	0.20%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.20%				
<i>LMA Totals:</i>	0.27	0.00	0.27	5.52%	0.01	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Levee District No. 0002 (Glenn County)

	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

Levee District No. 0002 (Glenn County)

Waterway			Bank	Unit Miles
Unit No. 01 Glenn County Sacramento River			Right	4.89
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/21/2012 - 03/21/2012		10/02/2012 - 10/02/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Dennis Clark		Dennis Clark	

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

Levee District No. 0002 (Glenn County)

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River					Right	4.89	10/02/2012 10/02/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	12
								°	°	
								DWR ID: DWR_LD0002_01_s_2012_12		
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	13
								°	°	
								DWR ID: DWR_LD0002_01_s_2012_13		
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	14
								°	°	
								DWR ID: DWR_LD0002_01_s_2012_14		
4	0.08	0.08	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2009 - Very slow retreat, hard toe, encroaching into the levee projection. 2010 - Slowly eroding. 2011 - Site extended downstream. 2012: No observed change. [2012 Site ID: SAC_164-7_R]	39.417689 ° -122.010369 °	39.414649 ° -122.009853 °	6 Y
								DWR ID:		
5	1.04	1.04	Earthen Levee	Encroachments	WS	M En	BU : Building	39.428322 ° -122.010973 °	39.428322 ° -122.010973 °	8 Y
								DWR ID: DWR_LD0002_01_s_2012_8		
6	1.45	1.45	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.434157 ° -122.010760 °	39.434157 ° -122.010760 °	4 Y
								DWR ID: DWR_LD0002_01_f_2012_4		
7	1.54	1.62	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.435485 ° -122.010640 °	39.436643 ° -122.010498 °	15 Y
								DWR ID: DWR_LD0002_01_f_2012_15		
8	1.91	1.91	Earthen Levee	Animal Control	LS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.440531 ° -122.011091 °	39.440531 ° -122.011091 °	149
								DWR ID: DWR_LD0002_01_s_2012_149		
9	2.95	3.00	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.453595 ° -122.016273 °	39.454003 ° -122.015503 °	2
								DWR ID: DWR_LD0002_01_s_2012_2		
10	3.10	3.18	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.455145 ° -122.014287 °	39.455813 ° -122.013205 °	3
								DWR ID: DWR_LD0002_01_s_2012_3		
11	3.32	3.34	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.456237 ° -122.010640 °	39.456272 ° -122.010163 °	16
								DWR ID: DWR_LD0002_01_f_2012_16		
12	3.59	3.59	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.459103 ° -122.010313 °	39.459103 ° -122.010313 °	148
								DWR ID: DWR_LD0002_01_s_2012_148		
13	3.61	3.61	Earthen Levee	Animal Control	LS	C Ma	A2 : Repair the levee slope damaged by livestock and prevent large animal access.	39.459348 ° -122.010500 °	39.459348 ° -122.010500 °	5
								DWR ID: DWR_LD0002_01_s_2012_5		
14	3.62	3.62	Earthen Levee	Encroachments	LS	C En	PR : Prunings	39.459715 ° -122.010808 °	39.459715 ° -122.010808 °	9
								DWR ID: DWR_LD0002_01_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 2012

Levee District No. 0002 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.89	10/02/2012 10/02/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
15	3.65	3.65	Earthen Levee	Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.459885 ° -122.010930 °	39.459885 ° -122.010930 °	10 Y
DWR ID: DWR_LD0002_01_s_2012_10										
16	4.87	4.87	Earthen Levee	Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.476676 ° -122.017439 °	39.476676 ° -122.017439 °	11 Y
DWR ID: DWR_LD0002_01_s_2012_11										

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Unit No. 01 Glenn County Sacramento River	Right	4.89	10/02/2012 10/02/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2012_SAC_164-7_R_1.jpg



Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2012_SAC_164-7_R_2.jpg



Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2012_SAC_164-7_R_3.jpg

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Levee Mile Report Line	5
Start Levee Mile	1.04
End Levee Mile	1.04
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of house along w/s toe.

rduffey_f_20120911_021.jpg



Levee Mile Report Line	6
Start Levee Mile	1.45
End Levee Mile	1.45
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the rodent holes along the landside slope.

rduffey_f_20121203_373.JPG



Levee Mile Report Line	7
Start Levee Mile	1.54
End Levee Mile	1.62
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the rodent holes along the landside slope.

rduffey_f_20121203_374.JPG



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Levee Mile Report Line	15
Start Levee Mile	3.65
End Levee Mile	3.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of vehicle traffic driving up and down the slope of the levee.

rduffey_f_20120911_023.jpg



Levee Mile Report Line	16
Start Levee Mile	4.87
End Levee Mile	4.87
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the rodent holes along the Levee slope.

rduffey_f_20121203_377.JPG



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