

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0108 Reclamation District No. 0108 River Farms	Overall LMA Rating	Total LMA Miles				
	A	20.59				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.01		0.01	0.05%		
Encroachments					0.72	
Animal Control	0.01		0.01	0.05%		
Cracking	0.07		0.07	0.34%		
<i>Supplemental</i>						
USACE Erosion Survey	0.01		0.01	0.05%		
LMA Totals:	0.10	0.00	0.10	0.49%	0.72	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2011 Levee Inspection Results**

Reclamation District No. 0108 River Farms

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles
Unit No. 01 Colusa Basin Drain	Left	20.59

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/20/2011 - 4/20/2011		10/3/2011 - 10/3/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Chad Navarrot RD 108		Chad Navarrot RD 108	

Check one:

- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0108 River Farms

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain				Left	20.59	10/03/2011 10/03/2011	John Williamson

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	5.56	5.56	Earthen Levee	Animal Control	LS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.848592 ° -121.893017 °	38.848592 ° -121.893017 °	22
2	5.57	5.57	Earthen Levee	Animal Control	LS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.848688 ° -121.893349 °	38.848688 ° -121.893349 °	18
3	6.93	6.93	Earthen Levee	Animal Control	WS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.864891 ° -121.907285 °	38.864891 ° -121.907285 °	10
4	7.63	7.63	Earthen Levee	Animal Control	LS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.873613 ° -121.913853 °	38.873613 ° -121.913853 °	23
5	9.99	9.99	Earthen Levee	Animal Control	WS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.907854 ° -121.914658 °	38.907854 ° -121.914658 °	24
6	11.35	11.35	Earthen Levee	Animal Control	LS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.927354 ° -121.913455 °	38.927354 ° -121.913455 °	25
7	13.74	13.74	Earthen Levee	Slope Stability	LS	C	Repair slope instability.	38.958858 ° -121.915534 °	38.958858 ° -121.915534 °	5
8	14.44	14.51	Earthen Levee	Cracking	LS	M	Schedule repair of subsidence prior to the next inspection. Inspector Comments: The crack runs along the shoulder for about 250 feet long. It varies in width from 1 inch to 3 inches.	38.967074 ° -121.923146 °	38.967712 ° -121.924055 °	1 Y
9	17.29	17.29	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.996005 ° -121.960995 °	38.996005 ° -121.960995 °	2
10	18.88	19.60	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.013245 ° -121.980795 °	39.021302 ° -121.988557 °	6 Y
11	19.16	19.16	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Toe scour at the bottom of a steep bank, large sections of the toe are sliding down. Erosion may be due to the upstream bend. [2011 Site ID: CBD_19-2_L]	39.016727 ° -121.985411 °	39.017516 ° -121.986374 °	3 Y
12	19.27	19.27	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo	39.017443 ° -121.985710 °	39.017443 ° -121.985710 °	9 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	10/03/2011 10/03/2011	John Williamson

Levee Mile Report Line	8
Start Levee Mile	14.44
End Levee Mile	14.51
Location	Land Side
Category	Earthen Levee
Item	Cracking

A view of the crack at its widest point. Photo taken fall 2011.

johngw_f_20111011_969.jpg



Levee Mile Report Line	8
Start Levee Mile	14.44
End Levee Mile	14.51
Location	Land Side
Category	Earthen Levee
Item	Cracking

A view of the upstream end of the crack which run about 250 feet long.

johngw_f_20111011_970.jpg



Levee Mile Report Line	10
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Ag. ditch

johngw_f_20110923_964.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	10/03/2011 10/03/2011	John Williamson

Levee Mile Report Line	10
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Ag ditch along toe of landside photo taken fall 2011.	
johngw_f_20110923_965.jpg	



Levee Mile Report Line	11
Start Levee Mile	19.16
End Levee Mile	19.16
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_CBD_19-2_L_1.jpg	



Levee Mile Report Line	11
Start Levee Mile	19.16
End Levee Mile	19.16
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
USACE2011_CBD_19-2_L_2.jpg	



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

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	10/03/2011 10/03/2011	John Williamson

Levee Mile Report Line	12
Start Levee Mile	19.27
End Levee Mile	19.27
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Arundo is growing on the slope.	
johngw_f_20110923_966.jpg	



Levee Mile Report Line	12
Start Levee Mile	19.27
End Levee Mile	19.27
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The district has made great efforts to eliminate the Arundo.	
johngw_f_20110923_967.jpg	



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