

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0108	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0108 River Farms	A	20.59				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Vegetation	0.02		0.02	0.10%		
Trim / Thin Trees	0.89		0.89	4.32%		
Encroachments					0.72	
Animal Control	0.06		0.06	0.29%		
Cracking	0.03		0.03	0.15%		
<i>LMA Totals:</i>	1.00	0.00	1.00	4.86%	0.72	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 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 2009 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	3/12/2009		9/24/2009	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

Check one:

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

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

Comments

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

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0108 River Farms

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Colusa Basin Drain						Left	20.59	10/07/2009 10/07/2009	John Williamson	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	3.56	3.56	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.842239 ° -121.857145 °	38.842239 ° -121.857145 °	15
2	3.65	4.54	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level. Inspector Comments: spray and cut out black walnut trees in rock revetment basal treat stumps	38.842619 ° -121.858701 °	38.844490 ° -121.875135 °	16
3	4.00	4.54	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation. Inspector Comments: spray crown	38.843367 ° -121.865183 °	38.844490 ° -121.875137 °	17
4	5.56	5.56	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.848592 ° -121.893017 °	38.848592 ° -121.893017 °	22
5	5.57	5.57	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.848688 ° -121.893349 °	38.848688 ° -121.893349 °	18
6	6.93	6.93	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.864891 ° -121.907285 °	38.864891 ° -121.907285 °	10
7	7.63	7.63	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.873613 ° -121.913853 °	38.873613 ° -121.913853 °	23
8	8.72	8.72	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.889415 ° -121.914826 °	38.889415 ° -121.914826 °	11
9	9.99	9.99	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.907854 ° -121.914658 °	38.907854 ° -121.914658 °	24
10	11.35	11.35	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.927354 ° -121.913455 °	38.927354 ° -121.913455 °	25
11	11.36	11.36	Earthen Levee	Cracking	CR	M	Schedule repair of subsidence prior to the next inspection.	38.927606 ° -121.913309 °	38.927606 ° -121.913309 °	26 Y
12	11.52	11.52	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.929692 ° -121.912190 °	38.929692 ° -121.912190 °	27 Y
13	11.72	11.72	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.932417 ° -121.910782 °	38.932417 ° -121.910782 °	28
14	18.88	19.60	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.013245 ° -121.980795 °	39.021302 ° -121.988557 °	6 Y
15	19.10	19.10	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo	39.015553 ° -121.983767 °	39.015553 ° -121.983767 °	12 Y
16	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
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0108 River Farms

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain				Left	20.59	10/07/2009 10/07/2009	John Williamson

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
17	20.27	20.27	Earthen Levee	Encroachments	WS	C	Prunings	39.031003 ° -121.989438 °	39.031003 ° -121.989438 °	21

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	10/07/2009 10/07/2009	John Williamson

Levee Mile Report Line	11
Start Levee Mile	11.36
End Levee Mile	11.36
Location	Crown
Category	Earthen Levee
Item	Cracking
down center of crown	
johngw_20091007_34.jpg	



Levee Mile Report Line	12
Start Levee Mile	11.52
End Levee Mile	11.52
Location	Crown
Category	Earthen Levee
Item	Cracking
more cracking smaller cracking through out this area	
johngw_20091007_35.jpg	



Levee Mile Report Line	14
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Ag. ditch	
johngw_20090924_12.jpg	

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2009

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Unit No. 01 Colusa Basin Drain	Left	20.59	10/07/2009 10/07/2009	John Williamson

Levee Mile Report Line	14
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Ag ditch along toe of landside

johngw_20091007_36.jpg



Levee Mile Report Line	15
Start Levee Mile	19.10
End Levee Mile	19.10
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Arundo on slope

johngw_20091007_37.jpg



Levee Mile Report Line	16
Start Levee Mile	19.27
End Levee Mile	19.27
Location	Water Side
Category	Earthen Levee
Item	Vegetation

more Arundo on slope

johngw_20091007_38.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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CO : Completely Obstructing
N : Not Inspected

C : Corrected