

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 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	20.87						
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					0.72			
Animal Control	0.02		0.02	0.10%				
Cracking	0.01		0.01	0.05%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.05%				
<i>LMA Totals:</i>	0.04	0.00	0.04	0.19%	0.72	0.00	0.00	0.00

Unit No. 01 Colusa Basin Drain LB	Overall Unit Rating	Total Unit Miles						
RD0108	A	20.59						
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					0.72			
Animal Control	0.01		0.01	0.05%				
Cracking	0.01		0.01	0.05%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.05%				
<i>Unit Totals:</i>	0.03	0.00	0.03	0.15%	0.72	0.00	0.00	0.00

Unit No. 02 Castle Properties RB	Overall Unit Rating	Total Unit Miles						
RD0108	A	0.28						
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>								
Animal Control	0.01		0.01	3.57%				
<i>Unit Totals:</i>	0.01	0.00	0.01	3.57%	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. 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 2012 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	04/26/2012 - 04/26/2012		09/18/2012 - 09/18/2012	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Chad Navarrot RD 108		Chad Navarrot RD 108	

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. 0108 River Farms

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Colusa Basin Drain					Left	20.59	09/18/2012 09/18/2012	John Williamson	
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	WS A Ma		° °	° °	11
DWR ID: DWR_RD0108_01_s_2012_11									
2			Earthen Levee	Emergency Supplies & Equipment	WS A Ma		° °	° °	12
DWR ID: DWR_RD0108_01_s_2012_12									
3			Earthen Levee	Flood Preparedness & Training	WS A Ma		° °	° °	13
DWR ID: DWR_RD0108_01_s_2012_13									
4	5.56	5.56	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.848592 ° -121.893017 °	38.848592 ° -121.893017 °	22
DWR ID: DWR_RD0108_01_s_2012_22									
5	5.57	5.57	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.848688 ° -121.893349 °	38.848688 ° -121.893349 °	18
DWR ID: DWR_RD0108_01_s_2012_18									
6	6.93	6.93	Earthen Levee	Animal Control	WSA/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.864891 ° -121.907285 °	38.864891 ° -121.907285 °	10
DWR ID: DWR_RD0108_01_s_2012_10									
7	7.63	7.63	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.873613 ° -121.913853 °	38.873613 ° -121.913853 °	23
DWR ID: DWR_RD0108_01_s_2012_23									
8	9.99	9.99	Earthen Levee	Animal Control	WSA/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.907854 ° -121.914658 °	38.907854 ° -121.914658 °	24
DWR ID: DWR_RD0108_01_s_2012_24									
9	11.35	11.35	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.927354 ° -121.913455 °	38.927354 ° -121.913455 °	25
DWR ID: DWR_RD0108_01_s_2012_25									
10	11.52	11.52	Earthen Levee	Animal Control	WS M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.929757 ° -121.912128 °	38.929757 ° -121.912128 °	1 Y
DWR ID: DWR_RD0108_01_f_2012_1									
11	14.54	14.54	Earthen Levee	Cracking	LS M Ma	CR1 : Monitor and have inspected by geotechnical engineer.	38.968032 ° -121.924480 °	38.968032 ° -121.924480 °	2 Y
DWR ID: DWR_RD0108_01_f_2012_2									
12	18.88	19.60	Earthen Levee	Encroachments	LS M En	DT : Ditch	39.013245 ° -121.980795 °	39.021302 ° -121.988557 °	6 Y
DWR ID: DWR_RD0108_01_s_2012_6									
13	19.29	19.29	Supplemental	USACE Erosion Survey	WS M Ma	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. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: CBD_19-2_L]	39.017516 ° -121.986374 °	39.016727 ° -121.985411 °	3
DWR ID:									

*** 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. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	09/18/2012 09/18/2012	John Williamson

Levee Mile Report Line	10
Start Levee Mile	11.52
End Levee Mile	11.52
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on the waterside levee slope. Fall 2012

johngw_f_20120924_722.jpg



Levee Mile Report Line	10
Start Levee Mile	11.52
End Levee Mile	11.52
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A colony of rodents on the waterside slope. Fall 2012

johngw_f_20120924_723.jpg



Levee Mile Report Line	11
Start Levee Mile	14.54
End Levee Mile	14.54
Location	Land Side
Category	Earthen Levee
Item	Cracking

A crack running along the landside shoulder app. 50' long. Fall 2012

johngw_f_20120924_724.jpg



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Levee Inspection Report By Mile - Fall 2012

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	09/18/2012 09/18/2012	John Williamson

Levee Mile Report Line	12
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Ag. ditch

johngw_f_20120911_336.jpg



Levee Mile Report Line	12
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_20120911_337.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 0108 River Farms

Waterway			Bank	Unit Miles
Unit No. 02 Castle Properties			Right	0.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			09/19/2012 - 09/19/2012	
DWR Inspector			John Williamson	
Accompanied By			Chad Navarrot RD 108	

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Unit No. 02 Castle Properties						Right	0.28	09/19/2012 09/19/2012	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.02	0.28	Earthen Levee	Encroachments	LS	A En	FE : Fence	38.799009 ° -121.724850 °	38.796203 ° -121.727988 °	3 Y
DWR ID: DWR_RD0108_02_f_2012_3										
2	0.09	0.09	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.798196 ° -121.725660 °	38.798196 ° -121.725660 °	4 Y
DWR ID: DWR_RD0108_02_f_2012_4										

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	09/19/2012 09/19/2012	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.28
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A chain link fence runs along the toe the entire distance of the development. Fall 2012	
johngw_f_20120924_734.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A couple of rodent holes on the landside slope. Fall 2012	
johngw_f_20120924_736.jpg	

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