

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0827	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0827 Elkhorn	U	4.19				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.12		0.12	2.86%		
Trim / Thin Trees	0.13		0.13	3.10%		
Encroachments	0.02		0.02	0.48%	0.24	
Animal Control	0.01		0.01	0.24%		
Crown Surface / Depressions / Rutting	1.61		1.61	38.43%		
<i>LMA Totals:</i>	1.89	0.00	1.89	45.11%	0.24	0.00

Unit No. 01 Sacramento River	Overall Unit Rating	Total Unit Miles				
	U	1.35				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.12		0.12	8.89%		
Trim / Thin Trees	0.13		0.13	9.63%		
Encroachments	0.02		0.02	1.48%		
Animal Control	0.01		0.01	0.74%		
<i>Unit Totals:</i>	0.28	0.00	0.28	20.74%	0.00	0.00

Unit No. 02 Yolo Bypass	Overall Unit Rating	Total Unit Miles				
	U	2.84				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Encroachments					0.24	
Crown Surface / Depressions / Rutting	1.61		1.61	56.69%		
<i>Unit Totals:</i>	1.61	0.00	1.61	56.69%	0.24	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2010 Levee Inspection Results

Reclamation District No. 0827 Elkhorn

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

** 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 2010 Levee Inspection Results

Reclamation District No. 0827 Elkhorn

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	1.35

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/16/2010		10/12/2010	
DWR Inspector	John Williamson		John Williamson	
Accompanied By			Dan Ramos Ramco	

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 2010

Reclamation District No. 0827 Elkhorn

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Sacramento River						Right	1.35	11/03/2010 11/03/2010		John Williamson
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.23	0.36	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.672810 ° -121.627498 °	38.671600 ° -121.625840 °	2
2	0.29	0.29	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.672010 ° -121.626847 °	38.672010 ° -121.626847 °	15 Y
3	0.38	0.38	Earthen Levee	Encroachments	LS	M	Prunings	38.671171 ° -121.625794 °	38.671171 ° -121.625794 °	14
4	0.49	0.49	Earthen Levee	Animal Control	WS	C	Exterminate rodents and backfill and compact or grout burrows.	38.670145 ° -121.624026 °	38.670145 ° -121.624026 °	1
5	0.54	0.54	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.669445 ° -121.623574 °	38.669445 ° -121.623574 °	13
6	0.60	0.60	Earthen Levee	Encroachments	LS	M	Prunings	38.668816 ° -121.622774 °	38.668816 ° -121.622774 °	12 Y
7	0.61	0.61	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.668665 ° -121.622584 °	38.668665 ° -121.622584 °	11
8	0.69	0.69	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.667856 ° -121.621558 °	38.667856 ° -121.621558 °	10
9	0.73	0.73	Earthen Levee	Encroachments	LS	C	Prunings	38.667685 ° -121.621340 °	38.667685 ° -121.621340 °	9
10	0.77	0.77	Earthen Levee	Encroachments	LS	C	Prunings	38.667166 ° -121.620686 °	38.667166 ° -121.620686 °	8
11	0.85	0.85	Earthen Levee	Encroachments	LS	C	Prunings	38.666262 ° -121.619546 °	38.666262 ° -121.619546 °	6
12	0.85	0.85	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.666262 ° -121.619546 °	38.666262 ° -121.619546 °	7
13	0.97	1.03	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.665247 ° -121.617908 °	38.664594 ° -121.617154 °	5 Y
14	0.99	0.99	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.664670 ° -121.617879 °	38.664670 ° -121.617879 °	3 Y
15	1.07	1.19	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Continue to make great progress with the use of chemicals and brush cutting. Still need to brush cut farther down the waterside slope.	38.664196 ° -121.616765 °	38.662856 ° -121.615347 °	4 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/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.35	11/03/2010 11/03/2010	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.29
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent burrows on the landside levee a large amount of material.

johngw_f_20101108_301.jpg



Levee Mile Report Line	2
Start Levee Mile	0.29
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Animal Control

More rodents in the same area with large quantities of material excavated.

johngw_f_20101108_302.jpg



Levee Mile Report Line	6
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

prunings at toe of levee

johngw_f_20101012_135.jpg



*** 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/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.35	11/03/2010 11/03/2010	John Williamson

Levee Mile Report Line	13
Start Levee Mile	0.97
End Levee Mile	1.03
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation is spotty most of the levee is clear.

johngw_f_20101012_133.jpg



Levee Mile Report Line	14
Start Levee Mile	0.99
End Levee Mile	0.99
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landside levee slope is clean of all vegetation.

johngw_f_20101108_300.jpg



Levee Mile Report Line	15
Start Levee Mile	1.07
End Levee Mile	1.19
Location	Water Side
Category	Earthen Levee
Item	Vegetation

vegetation

johngw_f_20101012_132.jpg



*** 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/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 0827 Elkhorn

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	2.84

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/16/2010		10/12/2010	
DWR Inspector	John Williamson		John Williamson	
Accompanied By			Dan Ramso Ramco	

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 2010

Reclamation District No. 0827 Elkhorn

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass							Left	2.84	11/03/2010 11/03/2010	John Williamson
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.05	0.05	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	38.675962 ° -121.643085 °	38.675962 ° -121.643085 °	8 Y
2	0.11	0.11	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.675236 ° -121.642985 °	38.675236 ° -121.642985 °	4
3	0.26	0.26	Earthen Levee	Encroachments	LS	C	Prunings	38.673640 ° -121.642370 °	38.673640 ° -121.642370 °	5
4	0.27	0.51	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.673035 ° -121.642390 °	38.669597 ° -121.641600 °	1
5	0.33	0.33	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	38.672231 ° -121.642218 °	38.672231 ° -121.642218 °	9 Y
6	0.80	2.41	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	38.665917 ° -121.639188 °	38.646564 ° -121.623705 °	6 Y
7	1.83	1.83	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.653799 ° -121.628175 °	38.653799 ° -121.628175 °	7

*** 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/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.84	11/03/2010 11/03/2010	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.05
End Levee Mile	0.05
Location	Water Side
Category	Earthen Levee
Item	Vegetation

After the goats have gone through the area vegetation is under control.

johngw_f_20101108_303.jpg



Levee Mile Report Line	5
Start Levee Mile	0.33
End Levee Mile	0.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Photo of the landside slope after the goats have worked the area.

johngw_f_20101108_304.jpg



Levee Mile Report Line	6
Start Levee Mile	0.80
End Levee Mile	2.41
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

crown needs grading and AB added

johngw_f_20101012_136.jpg



*** 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/Rated

C : Corrected
W : Watch/Monitor