

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD1600		Overall LMA Rating	Total LMA Miles				
Reclamation District No. 1600 Mull		A	14.73				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.22		0.22	1.49%			
Trim / Thin Trees	0.07		0.07	0.48%			
Encroachments					0.01		
Animal Control	0.01		0.01	0.07%			
Erosion / Bank Caving	1.01		1.01	6.86%			
<i>LMA Totals:</i>	1.31	0.00	1.31	8.89%	0.01	0.00	

Unit No. 01 Sacramento River		Overall Unit Rating	Total Unit Miles				
		A	10.51				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.02		0.02	0.19%			
Trim / Thin Trees	0.07		0.07	0.67%			
Encroachments					0.01		
Animal Control	0.01		0.01	0.10%			
Erosion / Bank Caving	0.36		0.36	3.43%			
<i>Unit Totals:</i>	0.46	0.00	0.46	4.38%	0.01	0.00	

Unit No. 02 Yolo Bypass		Overall Unit Rating	Total Unit Miles				
		U	4.22				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.20		0.20	4.74%			
Erosion / Bank Caving	0.65		0.65	15.40%			
<i>Unit Totals:</i>	0.85	0.00	0.85	20.14%	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2009 Levee Inspection Results**

Reclamation District No. 1600 Mull

	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. 1600 Mull**

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Right	10.51

	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			Kent Lang RD1600	

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 _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/17/2009 11/17/2009	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.06	0.06	Earthen Levee	Encroachments	WS	PO	Buildings	38.675998 ° -121.630732 °	38.675998 ° -121.630732 °	1
2	0.21	0.21	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo	38.677920 ° -121.632092 °	38.677920 ° -121.632093 °	2
3	2.74	2.74	Earthen Levee	Trim / Thin Trees	CR	M	Trim trees over roadway to at least 12 feet above ground level.	38.708532 ° -121.617962 °	38.708532 ° -121.617962 °	16
4	4.70	4.89	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.733639 ° -121.605387 °	38.736259 ° -121.604589 °	17
5	4.82	4.82	Earthen Levee	Vegetation	LS	C	Elderberries are blocking visibility and flood fight capability.	38.735300 ° -121.604872 °	38.735300 ° -121.604872 °	9
6	5.43	5.43	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	38.743632 ° -121.601173 °	38.743632 ° -121.601173 °	13
7	5.48	5.81	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.744118 ° -121.601104 °	38.748210 ° -121.598025 °	19
8	6.62	6.68	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.759531 ° -121.594108 °	38.760358 ° -121.594164 °	11
9	7.00	7.00	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.764940 ° -121.595348 °	38.764940 ° -121.595348 °	14
10	7.13	7.13	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.766505 ° -121.596214 °	38.766505 ° -121.596214 °	20
11	7.27	7.27	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.768409 ° -121.597213 °	38.768409 ° -121.597213 °	21
12	8.26	8.26	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.778978 ° -121.608851 °	38.778978 ° -121.608851 °	18
13	9.75	9.75	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.775523 ° -121.630720 °	38.775523 ° -121.630720 °	22

* 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
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2009 Levee Inspection Results
Reclamation District No. 1600 Mull**

Waterway	Bank	Unit Miles
Unit No. 02 Yolo Bypass	Left	4.22

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		9/24/2009	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

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3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.22	10/01/2009 10/01/2009	John Williamson

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.688115 ° -121.645212 °	38.688115 ° -121.645212 °	21
2	0.45	0.47	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.729063 ° -121.633448 °	38.728777 ° -121.633442 °	3
3	0.58	0.75	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.727183 ° -121.633440 °	38.724817 ° -121.633452 °	4
4	0.96	3.02	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.721684 ° -121.633563 °	38.693198 ° -121.644646 °	20
5	1.08	1.35	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.720023 ° -121.633894 °	38.716205 ° -121.634895 °	13
6	1.74	2.01	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.710763 ° -121.637147 °	38.707116 ° -121.638722 °	14
7	2.12	2.23	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.705614 ° -121.639357 °	38.704052 ° -121.640016 °	15
8	3.53	3.53	Earthen Levee	Vegetation	LS	A	Elderberries are blocking visibility and flood fight capability.	38.686345 ° -121.645023 °	38.686345 ° -121.645023 °	22

* 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
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