

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 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	U	14.73				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.85		0.85	5.77%		
Trim / Thin Trees	0.01	0.01	0.05	0.34%		
Encroachments	0.02		0.02	0.14%	0.01	0.08
Erosion / Bank Caving	0.73		0.73	4.96%		
Crown Surface / Depressions / Rutting	1.74		1.74	11.81%		
<i>Supplemental</i>						
USACE Erosion Survey	0.05		0.05	0.34%		
<i>LMA Totals:</i>	3.40	0.01	3.44	23.35%	0.01	0.08

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles				
RD1600	M	10.51				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.85		0.85	8.09%		
Trim / Thin Trees	0.01	0.01	0.05	0.48%		
Encroachments	0.02		0.02	0.19%	0.01	0.08
Erosion / Bank Caving	0.35		0.35	3.33%		
<i>Supplemental</i>						
USACE Erosion Survey	0.05		0.05	0.48%		
<i>Unit Totals:</i>	1.28	0.01	1.32	12.56%	0.01	0.08

Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles				
RD1600	U	4.22				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Erosion / Bank Caving	0.38		0.38	9.01%		
Crown Surface / Depressions / Rutting	1.74		1.74	41.23%		
<i>Unit Totals:</i>	2.12	0.00	2.12	50.24%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 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)			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 2011 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)			M	
Date of Inspection	3/11/2011 - 3/11/2011		11/28/2011 - 11/28/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Kent Lang RD1600		Kent Lang RD1600	
			Kyle Lang RD 537/ RD 1600	

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. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.01	0.09	Earthen Levee	Encroachments	WS	CO	Fences Inspector Comments: Chain link completely blocks access to water's edge.	38.675242 ° -121.630492 °	38.676356 ° -121.631157 °	3 Y
2	0.06	0.06	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: This is the home and pumping plant for RD 2035.	38.675998 ° -121.630732 °	38.675998 ° -121.630732 °	1 Y
3	0.21	0.21	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo	38.677920 ° -121.632092 °	38.677920 ° -121.632093 °	2
4	0.46	0.46	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2000 - Very cohesive vertical bank. 2003 - Some minor new erosion. 2006 - Some minor erosion in old pockets. 2009 - Minimal new erosion. 2011: Multiple new erosion pockets and a few new tree popouts. [2011 Site ID: SAC_71-3_R]	38.682707 ° -121.633830 °	38.684106 ° -121.634219 °	6 Y
5	0.54	0.54	Earthen Levee	Encroachments	WS	C	Pipe Inspector Comments: old pipe from previous repair of pump on levee slope	38.682198 ° -121.634110 °	38.682198 ° -121.634110 °	7
6	0.62	0.62	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: willows need to be controlled	38.683323 ° -121.634422 °	38.683323 ° -121.634422 °	4
7	1.54	1.59	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.696379 ° -121.633414 °	38.696937 ° -121.633046 °	5
8	1.71	1.71	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Old metal ramp from unused dock, ramp is on levee shoulder.	38.698364 ° -121.631926 °	38.698364 ° -121.631926 °	9 Y
9	3.55	3.55	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Steep high bank. 2005 - Some small pockets in the low toe near the waterline. 2006 - Minor slope clearing. 2010 - Minor new erosion. 2011: Multiple trees have fallen since last year. Some other trees look ready to fall. Significant new erosion since last year. [2011 Site ID: SAC_74-4_R]	38.717770 ° -121.607423 °	38.721351 ° -121.606414 °	8 Y
10	4.21	4.21	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Very steep bank. 2005 - Lots of small trees down along the bank at the upstream end. 2006 - Minor new erosion, but slow. 2010 - Almost all of the roots are exposed on the trees, appears ready to fall. 2011: New erosion and tree popouts. [2011 Site ID: SAC_75-3_R]	38.728684 ° -121.605844 °	38.736110 ° -121.604153 °	10 Y
11	4.81	5.19	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Mares tail has taken over.	38.735065 ° -121.604953 °	38.740265 ° -121.603097 °	24 Y

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Sacramento River						Right	10.51	11/28/2011 11/28/2011		John Williamson
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	5.43	5.43	Earthen Levee	Vegetation	LS	W	Elderberries are blocking visibility and flood fight capability.	38.743632 ° -121.601173 °	38.743632 ° -121.601173 °	13
13	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
14	5.88	5.88	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	38.749162 ° -121.597271 °	38.749162 ° -121.597271 °	12 Y
15	6.23	6.23	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Large vertical eroded face from a rotational failure just below pump. [2011 Site ID: SAC_77-0_R]	38.755246 ° -121.594206 °	38.756186 ° -121.594024 °	11 Y
16	6.33	6.33	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level. Inspector Comments: Fig tree needs to be trimmed or removed cactus at levee toe.	38.755242 ° -121.594620 °	38.755242 ° -121.594620 °	15 Y
17	6.61	6.73	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.759289 ° -121.594104 °	38.761042 ° -121.594256 °	26 Y
18	6.97	6.98	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Eddy scour off end of rock causing erosion and scour hole near levee. Sandy silt bank with rock on upstream end. 2010 - Trees are leaning more, minor new erosion. 2011: Many of the tree roots have scoured out and trees look ready to fall. [2011 Site ID: SAC_77-7_R]	38.765219 ° -121.595049 °	38.764801 ° -121.594926 °	16 Y
19	7.00	7.00	Earthen Levee	Erosion / Bank Caving	WS	W	Note and monitor erosion site.	38.764940 ° -121.595348 °	38.764940 ° -121.595348 °	14 Y
20	7.02	7.02	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	38.764974 ° -121.595533 °	38.764974 ° -121.595533 °	27 Y
21	7.13	7.13	Earthen Levee	Erosion / Bank Caving	WS	W	Note and monitor erosion site.	38.766505 ° -121.596214 °	38.766505 ° -121.596214 °	20 Y
22	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 Y
23	7.85	7.85	Earthen Levee	Encroachments	LS	C	Pipe	38.775499 ° -121.602735 °	38.775499 ° -121.602735 °	17
24	9.96	10.31	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.772810 ° -121.631638 °	38.767757 ° -121.633117 °	29 Y
25	10.42	10.42	Earthen Levee	Encroachments	CR	M	Equipment Inspector Comments: Electrical wire cross the levee crown. No damage to crown.	38.766549 ° -121.634084 °	38.766549 ° -121.634084 °	30 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing 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. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.09
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Chain link fence no permit. The building and pumping plant in background is an issue.	
johngw_f_20110923_604.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The house of the operator of the pumping plant for RD 2035.	
johngw_f_20111129_581.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_SAC_71-3_R_1.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. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_71-3_R_2.jpg



Levee Mile Report Line	4
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_71-3_R_3.jpg



Levee Mile Report Line	8
Start Levee Mile	1.71
End Levee Mile	1.71
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Ramp for dock not being used.

john_gw_f_20110923_608.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. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	9
Start Levee Mile	3.55
End Levee Mile	3.55
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_74-4_R_1.jpg



Levee Mile Report Line	9
Start Levee Mile	3.55
End Levee Mile	3.55
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_74-4_R_2.jpg



Levee Mile Report Line	9
Start Levee Mile	3.55
End Levee Mile	3.55
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_74-4_R_3.jpg

*** Location**

LS : Land Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	10
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_75-3_R_1.jpg



Levee Mile Report Line	10
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_75-3_R_2.jpg



Levee Mile Report Line	10
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_75-3_R_3.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. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	10
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #4

USACE2011_SAC_75-3_R_4.jpg



Levee Mile Report Line	10
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #5

USACE2011_SAC_75-3_R_5.jpg



Levee Mile Report Line	11
Start Levee Mile	4.81
End Levee Mile	5.19
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The vegetation is taller than 12" and a large quantity of Mares Tail.

john_gw_f_20110923_617.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	14
Start Levee Mile	5.88
End Levee Mile	5.88
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Almond tree blocking levee slope view.

johngw_f_20110923_609.jpg



Levee Mile Report Line	15
Start Levee Mile	6.23
End Levee Mile	6.23
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_77-0_R_1.jpg



Levee Mile Report Line	15
Start Levee Mile	6.23
End Levee Mile	6.23
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_77-0_R_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	16
Start Levee Mile	6.33
End Levee Mile	6.33
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Fig tree on levee slope, cactus in background.

johngw_f_20110923_611.jpg



Levee Mile Report Line	17
Start Levee Mile	6.61
End Levee Mile	6.73
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The vegetation is taller than 12".

johngw_f_20110923_618.jpg



Levee Mile Report Line	18
Start Levee Mile	6.97
End Levee Mile	6.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_77-7_R_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	18
Start Levee Mile	6.97
End Levee Mile	6.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_77-7_R_2.jpg



Levee Mile Report Line	19
Start Levee Mile	7.00
End Levee Mile	7.00
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion is continuing to erode the berm area.

johngw_f_20110923_610.jpg



Levee Mile Report Line	20
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion appears to be moving closer to the shoulder.

johngw_f_20110923_619.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	21
Start Levee Mile	7.13
End Levee Mile	7.13
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion is eroding away at the berm area.

johngw_f_20110923_613.jpg



Levee Mile Report Line	21
Start Levee Mile	7.13
End Levee Mile	7.13
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

This another view of the site.

johngw_f_20110923_614.jpg



Levee Mile Report Line	22
Start Levee Mile	7.27
End Levee Mile	7.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The bank is eroding away and has become very steep.

johngw_f_20110923_615.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	22
Start Levee Mile	7.27
End Levee Mile	7.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion is eroding away the berm area.

johngw_f_20110923_616.jpg



Levee Mile Report Line	24
Start Levee Mile	9.96
End Levee Mile	10.31
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The vegetation is taller than 12" and makes viewing the slope hard.

johngw_f_20110923_620.jpg



Levee Mile Report Line	25
Start Levee Mile	10.42
End Levee Mile	10.42
Location	Crown
Category	Earthen Levee
Item	Encroachments

Electrical power is laying across the levee needs to get a permit.

johngw_f_20110923_621.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	25
Start Levee Mile	10.42
End Levee Mile	10.42
Location	Crown
Category	Earthen Levee
Item	Encroachments

A photo of the wires on the ground and the tie in to the pump.

johngw_f_20110923_622.jpg



Levee Mile Report Line	25
Start Levee Mile	10.42
End Levee Mile	10.42
Location	Crown
Category	Earthen Levee
Item	Encroachments

The photo is the old conduit with the old wire cut off.

johngw_f_20110923_623.jpg



Levee Mile Report Line	25
Start Levee Mile	10.42
End Levee Mile	10.42
Location	Crown
Category	Earthen Levee
Item	Encroachments

The electrical box on the landside toe.

johngw_f_20110923_624.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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.51	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	25
Start Levee Mile	10.42
End Levee Mile	10.42
Location	Crown
Category	Earthen Levee
Item	Encroachments

The temporary electrical wire has been removed at this time. The power has not been restored.

johngw_f_20110923_625.jpg



*** 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
Unit Cover Sheet
Fall 2011 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	3/9/2011 - 3/9/2011		11/28/2011 - 11/28/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Kent Lang RD 1600		Kent Lang RD 1600	
			Kyle Lang RD 537/ RD 1600	

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. 1600 Mull

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass				Left	4.22	11/28/2011 11/28/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.07	0.07	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact.	38.735059 ° -121.633612 °	38.735059 ° -121.633612 °	5
2	0.22	0.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	38.732843 ° -121.633426 °	38.732843 ° -121.633426 °	10 Y
3	0.68	0.77	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	38.726252 ° -121.633424 °	38.724869 ° -121.633411 °	11 Y
4	0.81	0.81	Earthen Levee	Animal Control	CR	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Hole in the levee crown likely from rodents.	38.724389 ° -121.633408 °	38.724389 ° -121.633408 °	7
5	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 Y
6	2.07	4.20	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.706740 ° -121.638847 °	38.676824 ° -121.643207 °	2 Y
7	2.07	4.20	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.706740 ° -121.638848 °	38.676824 ° -121.643208 °	1 Y
8	2.12	2.23	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: This is wave wash damage caused by last high water.	38.705614 ° -121.639357 °	38.704052 ° -121.640016 °	15 Y
9	2.19	3.83	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact. Inspector Comments: The areas on the crown I have marked are the worst areas. The entire unit needs to have base added. This is to have all weather road for patrolling.	38.705027 ° -121.639568 °	38.682007 ° -121.644305 °	3 Y

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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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. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.22	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
The crown needs to be graded and AB added to the crown.	
johngw_f_20110923_722.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.68
End Levee Mile	0.77
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
This area is soft and needs to have AB added to make an all weather surface.	
johngw_f_20110923_723.jpg	



Levee Mile Report Line	5
Start Levee Mile	1.74
End Levee Mile	2.01
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Wave wash damage along the slope the cut is 1'-2'.	
johngw_f_20110923_724.jpg	

*** Location**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.22	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	1.74
End Levee Mile	2.01
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

A closer view of the wave wash damage along the bypass.

johngw_f_20110923_725.jpg



Levee Mile Report Line	6
Start Levee Mile	2.07
End Levee Mile	4.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

A view of the levee slope after the goats have been there.

johngw_f_20111129_582.jpg



Levee Mile Report Line	7
Start Levee Mile	2.07
End Levee Mile	4.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Waterside view after the goats have grazed.

johngw_f_20111129_583.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.22	11/28/2011 11/28/2011	John Williamson

Levee Mile Report Line	8
Start Levee Mile	2.12
End Levee Mile	2.23
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

This is wave wash damage along the toe of the levee looking downstream.

johngw_f_20110923_726.jpg



Levee Mile Report Line	8
Start Levee Mile	2.12
End Levee Mile	2.23
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking upstream a deeper cut of 2'-3' damage.

johngw_f_20110923_727.jpg



Levee Mile Report Line	9
Start Levee Mile	2.19
End Levee Mile	3.83
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

The crown of the levee needs to have AB added. Some rutting has occurred.

johngw_f_20111129_584.jpg



*** Location**

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WS : Water Side
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CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected