

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0007 Sutter Maintenance Yard Maintenance Area 0007	Overall LMA Rating	Total LMA Miles				
	A	12.07				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Encroachments					3.30	0.03
Slope Stability	0.38		0.38	3.15%		
Erosion / Bank Caving	0.02		0.02	0.17%		
<i>LMA Totals:</i>	0.40	0.00	0.40	3.31%	3.30	0.03

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

Sutter Maintenance Yard Maintenance Area 0007

	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 2010 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles
Unit No. 01 Feather River	Right	12.07

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/16/2010		10/7/2010	
DWR Inspector	Clay Thomas		Bob Duffey	
Accompanied By	Jason Cooper		Jason Cooper	

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

Sutter Maintenance Yard Maintenance Area 0007

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River				Right	12.07	11/02/2010 11/02/2010	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.01	1.73	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.311297 ° -121.637490 °	39.334365 ° -121.633975 °	42 Y
2	1.21	1.21	Earthen Levee	Encroachments	WS	CO	Buildings	39.327187 ° -121.632395 °	39.327187 ° -121.632395 °	33 Y
3	1.32	1.32	Earthen Levee	Encroachments	WS	C	Landscaping	39.327473 ° -121.642058 °	39.327473 ° -121.642058 °	5
4	2.83	2.83	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.349280 ° -121.630388 °	39.349280 ° -121.630388 °	1
5	3.85	5.37	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.359942 ° -121.640780 °	39.379262 ° -121.650698 °	39 Y
6	5.42	5.42	Earthen Levee	Encroachments	LS	CO	Buildings	39.379947 ° -121.650525 °	39.379947 ° -121.650525 °	32 Y
7	6.10	6.10	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.380605 ° -121.638017 °	39.380605 ° -121.638017 °	6
8	6.62	6.62	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	39.386378 ° -121.632572 °	39.386378 ° -121.632572 °	18
9	8.00	8.00	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	39.401147 ° -121.630885 °	39.401147 ° -121.630885 °	3 Y
10	9.05	9.41	Earthen Levee	Slope Stability	LS	M	Repair slope instability.	39.409363 ° -121.634667 °	39.412797 ° -121.632463 °	7
11	9.79	9.79	Earthen Levee	Encroachments	LS	CO	Buildings	39.416384 ° -121.634503 °	39.416384 ° -121.634503 °	45 Y
12	9.97	9.97	Earthen Levee	Encroachments	LS	C	Debris	39.418821 ° -121.634885 °	39.418821 ° -121.634885 °	44
13	11.63	11.69	Earthen Levee	Encroachments	LS	PO	Landscaping	39.437119 ° -121.645860 °	39.437949 ° -121.646280 °	43 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
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2010

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	11/02/2010 11/02/2010	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
AG ditch land side slope and toe.	
rduffey_f_20101110_286.jpg	



Levee Mile Report Line	2
Start Levee Mile	1.21
End Levee Mile	1.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Water side levee mile 1.21.	
rduffey_f_20101110_287.jpg	



Levee Mile Report Line	5
Start Levee Mile	3.85
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Land side levee mile 5.37.	
rduffey_f_20101007_192.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	11/02/2010 11/02/2010	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	3.85
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
AG ditch land side slope and toe.	
rduffey_f_20101115_292.jpg	



Levee Mile Report Line	6
Start Levee Mile	5.42
End Levee Mile	5.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Crown and land side levee mile 5.42.	
rduffey_f_20101115_293.jpg	



Levee Mile Report Line	9
Start Levee Mile	8.00
End Levee Mile	8.00
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Land side levee mile 8.00.	
rduffey_f_20101110_291.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
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	11/02/2010 11/02/2010	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	9.79
End Levee Mile	9.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Land side levee mile 9.79.	
rduffey_f_20101115_294.jpg	



Levee Mile Report Line	13
Start Levee Mile	11.63
End Levee Mile	11.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Land side landscaping levee mile 11.63.	
rduffey_f_20101115_295.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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