

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0004 Sacramento Maintenance Yard Maintenance Area 0004	Overall LMA Rating	Total LMA Miles				
	A	3.40				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.16		0.16	4.71%		
Encroachments					2.17	
Erosion / Bank Caving	0.01		0.01	0.29%		
<i>LMA Totals:</i>	0.17	0.00	0.17	5.00%	2.17	0.00

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

Sacramento Maintenance Yard Maintenance Area 0004

	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

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Right	3.40

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

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

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	11/02/2010 11/02/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.03	0.03	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.596805 ° -121.547468 °	38.596805 ° -121.547468 °	18 Y
2	0.26	0.71	Earthen Levee	Encroachments	CR	PO	Buildings Inspector Comments: Corp. of Engineers Maint. Yard L.M. .26-.42; chain link fence completely blocks levee crown no gate; Dept. of Water Resource Sac. Maint. Yard L.M. .42-.71	38.596947 ° -121.543080 °	38.601188 ° -121.536622 °	4 Y
3	0.28	0.44	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: chain link fence runs along the waterside shoulder of levee and no access to trim and thin trees or vegetation. This is the fence for the COE Brythe Yard and runs the entire yard.	38.597188 ° -121.543401 °	38.598649 ° -121.540960 °	15 Y
4	0.28	0.28	Earthen Levee	Trim / Thin Trees	CR	C	Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: trees hanging almost to crown just inside COE Yard	38.597188 ° -121.543432 °	38.597188 ° -121.543432 °	3 Y
5	1.12	1.95	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: The Rivers housing development	38.602602 ° -121.529205 °	38.600433 ° -121.514445 °	7 Y
6	1.33	1.49	Earthen Levee	Encroachments	CR	PO	Buildings Inspector Comments: The Rivers housing development houses on crown of levee waterside	38.602764 ° -121.525319 °	38.602596 ° -121.522439 °	8 Y
7	2.00	2.17	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: A fence runs along the toe of the landside levee	38.599834 ° -121.513994 °	38.597531 ° -121.513147 °	14 Y
8	2.36	2.36	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Broken irrigation pipe on landside shoulder that is causing erosion, need to cap and repair.	38.595059 ° -121.512411 °	38.595059 ° -121.512411 °	1 Y
9	2.54	2.54	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.592297 ° -121.511812 °	38.592297 ° -121.511812 °	11 Y
10	3.07	3.30	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: Calster building and Ziegot building	38.585640 ° -121.508383 °	38.582230 ° -121.509110 °	13 Y
11	3.07	3.40	Earthen Levee	Encroachments	WS	PO	Landscaping Inspector Comments: West Sacramento's River walk runs from Tower Bridge to I st Bridge	38.585642 ° -121.508385 °	38.534710 ° -121.517390 °	12 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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Levee Inspection Report By Mile - Fall 2010

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	11/02/2010 11/02/2010	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landside view of the levee slope at 0.0 LM	
johngw_f_20101108_294.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Waterside slope view at 0.0 LM	
johngw_f_20101108_295.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.26
End Levee Mile	0.71
Location	Crown
Category	Earthen Levee
Item	Encroachments
COE fence blocks the levee crown.	
johngw_f_20101119_300.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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Levee Inspection Report By Mile - Fall 2010

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	11/02/2010 11/02/2010	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.26
End Levee Mile	0.71
Location	Crown
Category	Earthen Levee
Item	Encroachments
COE fence goes down th waterside slope.	
johngw_f_20101119_301.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.28
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trees need to be raised	
johngw_f_20101012_008.jpg	



Levee Mile Report Line	5
Start Levee Mile	1.12
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscape on landside of levee	
johngw_f_20101012_003.jpg	



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Unit No. 01 Sacramento River	Right	3.40	11/02/2010 11/02/2010	John Williamson

Levee Mile Report Line	5
Start Levee Mile	1.12
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscape	
johngw_f_20101012_004.jpg	



Levee Mile Report Line	5
Start Levee Mile	1.12
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscaping on the landside slope outside of the Rivers development.	
johngw_f_20101108_296.jpg	



Levee Mile Report Line	5
Start Levee Mile	1.12
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscaping inside of the Rivers landside levee slopr in front of the homes.	
johngw_f_20101108_297.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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Unit No. 01 Sacramento River	Right	3.40	11/02/2010 11/02/2010	John Williamson

Levee Mile Report Line	6
Start Levee Mile	1.33
End Levee Mile	1.49
Location	Crown
Category	Earthen Levee
Item	Encroachments
Houses on the crown of the levee	
johngw_f_20101012_005.jpg	



Levee Mile Report Line	7
Start Levee Mile	2.00
End Levee Mile	2.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence and landscaping along the levee toe by the condos in the Rivers.	
johngw_f_20101108_298.jpg	



Levee Mile Report Line	8
Start Levee Mile	2.36
End Levee Mile	2.36
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Broken irrigation pipe along the shoulder of the levee. The break in the irrigation has started to erode the slope.	
johngw_f_20101108_299.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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Levee Mile Report Line	10
Start Levee Mile	3.07
End Levee Mile	3.30
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Calster and Ziegot building	
johngw_f_20101012_007.jpg	



Levee Mile Report Line	11
Start Levee Mile	3.07
End Levee Mile	3.40
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Landscaping on the waterside of the levee	
johngw_f_20101012_006.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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