

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 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	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.29%				
Trim / Thin Trees	0.16		0.16	4.71%				
Encroachments						0.18		
Animal Control	0.02		0.02	0.59%				
<i>LMA Totals:</i>	0.19	0.00	0.19	5.59%	0.00	0.18	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2012 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 2012 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	03/27/2012 - 03/27/2012		10/18/2012 - 10/18/2012	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Dave Williams Sacramento Maintenance		Dave Williams Sacramento Maintenance	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Maintenance Area 0004

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	3.40	10/18/2012 10/18/2012	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	Operations & Maintenance Manuals	LS	A Ma		°	°	10
								DWR ID: DWR_MA0004_01_s_2012_10		
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	11
								DWR ID: DWR_MA0004_01_s_2012_11		
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	16
								DWR ID: DWR_MA0004_01_s_2012_16		
4	0.04	0.04	Earthen Levee	Animal Control	WS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.596766 ° -121.547244 °	38.596766 ° -121.547244 °	174 Y
								DWR ID: DWR_MA0004_01_s_2012_174		
5	0.05	0.05	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.596722 ° -121.546971 °	38.596722 ° -121.546971 °	175 Y
								DWR ID: DWR_MA0004_01_s_2012_175		
6	0.06	0.06	Earthen Levee	Slope Stability	WS	A Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	38.596719 ° -121.546885 °	38.596719 ° -121.546885 °	1 Y
								DWR ID: DWR_MA0004_01_f_2012_1		
7	0.28	0.44	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : 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 USACE Brythe Yard and runs the entire yard.	38.597188 ° -121.543401 °	38.598649 ° -121.540960 °	15 Y
								DWR ID: DWR_MA0004_01_s_2012_15		
8	0.28	0.28	Earthen Levee	Encroachments	CR	U En	FE : Fence Inspector Comments: This is the USACE yard and the chain link fence crosses the levee. The fence runs the length of the yard on the crown.	38.597193 ° -121.543421 °	38.597193 ° -121.543421 °	2 Y
								DWR ID: DWR_MA0004_01_s_2012_2		
9	1.32	1.95	Earthen Levee	Vegetation	LS	A/W En	V6 : Landscaping Inspector Comments: The Rivers housing development	38.602756 ° -121.525618 °	38.600449 ° -121.514459 °	7 Y
								DWR ID: DWR_MA0004_01_s_2012_7		
10	1.33	1.49	Earthen Levee	Encroachments	CRA/W	En	BU : Building Inspector Comments: The Rivers housing development houses on crown of levee waterside	38.602764 ° -121.525319 °	38.602596 ° -121.522439 °	8 Y
								DWR ID: DWR_MA0004_01_s_2012_8		
11	2.00	2.17	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: A fence runs along the toe of the landside levee	38.599834 ° -121.513994 °	38.597531 ° -121.513147 °	14 Y
								DWR ID: DWR_MA0004_01_s_2012_14		
12	2.87	2.87	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.588989 ° -121.507952 °	38.588989 ° -121.507952 °	178 Y
								DWR ID: DWR_MA0004_01_s_2012_178		

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	3.00	3.00	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.587135 ° -121.508093 °	38.587135 ° -121.508093 °	3 Y
DWR ID: DWR_MA0004_01_f_2012_3										
14	3.02	3.02	Earthen Levee	Encroachments	CR	A En	FE : Fence Inspector Comments: Fence was installed from the 'I' St. bridge to 3rd St. on both sides of the railroad tracks. The fence crosses the crown. The crown was not accessible because of the railroad tracks before.	38.586887 ° -121.508150 °	38.586887 ° -121.508150 °	6 Y
DWR ID: DWR_MA0004_01_s_2012_6										
15	3.07	3.30	Earthen Levee	Encroachments	LS	A En	BU : Building Inspector Comments: CalSTRS building and Ziegot building	38.585640 ° -121.508383 °	38.582230 ° -121.509110 °	13 Y
DWR ID: DWR_MA0004_01_s_2012_13										
16	3.07	3.40	Earthen Levee	Vegetation	WSA/W	V6 En	V6 : 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
DWR ID: DWR_MA0004_01_s_2012_12										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.05
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on the landside of the levee slope. Photo fall 2012.

johngw_f_20121022_808.jpg



Levee Mile Report Line	6
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope damage due to equipment on the waterside slope. Photo fall 2012.

johngw_f_20121022_809.jpg



Levee Mile Report Line	7
Start Levee Mile	0.28
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

The trees need to be trimmed up and thinned to meet standards.

johngw_f_20120911_014.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	7
Start Levee Mile	0.28
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
<p>The trees have been raised but vegetation needs to be trimmed. Fall 2011</p>	
<p>johngw_f_20120911_015.jpg</p>	



Levee Mile Report Line	8
Start Levee Mile	0.28
End Levee Mile	0.28
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>The fence goes down the waterside with no removal sections.</p>	
<p>johngw_f_20120911_001.jpg</p>	



Levee Mile Report Line	8
Start Levee Mile	0.28
End Levee Mile	0.28
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>The fence crosses the levee crown with no gate for access. The buildings are the USACE yard. Fall 2011</p>	
<p>johngw_f_20120911_002.jpg</p>	



<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>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	9
Start Levee Mile	1.32
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on the landside slope outside of the Rivers development. Fall 2011	
johngw_f_20120911_005.jpg	



Levee Mile Report Line	9
Start Levee Mile	1.32
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Photo taken spring 2012, permitted landscape in the Rivers project.	
johngw_f_20120911_006.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.33
End Levee Mile	1.49
Location	Crown
Category	Earthen Levee
Item	Encroachments
Houses on the crown of the levee Fall 2011	
johngw_f_20120911_007.jpg	



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	10
Start Levee Mile	1.33
End Levee Mile	1.49
Location	Crown
Category	Earthen Levee
Item	Encroachments
Photo taken spring 2012, permitted houses built on the waterside of the crown.	
johngw_f_20120911_008.jpg	



Levee Mile Report Line	11
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_20120911_012.jpg	



Levee Mile Report Line	11
Start Levee Mile	2.00
End Levee Mile	2.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The fence runs along the toe of the levee. Fall 2011	
johngw_f_20120911_013.jpg	



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Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	12
Start Levee Mile	2.87
End Levee Mile	2.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>The vegetation on the landside toe blocks visibility. Fall 2011</p>	
<p>johngw_f_20120911_018.jpg</p>	



Levee Mile Report Line	13
Start Levee Mile	3.00
End Levee Mile	3.00
Location	Land Side
Category	Earthen Levee
Item	Animal Control
<p>Rodent holes one in the crown and the other on the slope. Photo fall 2012.</p>	
<p>johngw_f_20121022_810.jpg</p>	



Levee Mile Report Line	14
Start Levee Mile	3.02
End Levee Mile	3.02
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>The fence is across the levee crown on both side of the railroad tracks.</p>	
<p>johngw_f_20120911_003.jpg</p>	



<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>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	14
Start Levee Mile	3.02
End Levee Mile	3.02
Location	Crown
Category	Earthen Levee
Item	Encroachments

The fence on both side of the tracks goes to Third Street.

johngw_f_20120911_004.jpg



Levee Mile Report Line	15
Start Levee Mile	3.07
End Levee Mile	3.30
Location	Land Side
Category	Earthen Levee
Item	Encroachments

CalSTRS and Ziegot building. Fall 2011

johngw_f_20120911_011.jpg



Levee Mile Report Line	16
Start Levee Mile	3.07
End Levee Mile	3.40
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Landscaping on the waterside of the levee

johngw_f_20120911_009.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.40	10/18/2012 10/18/2012	John Williamson

Levee Mile Report Line	16
Start Levee Mile	3.07
End Levee Mile	3.40
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Steps and landscaping on the crown and waterside of the levee. Fall 2011

johngw_f_20120911_010.jpg



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