

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0021 Yolo County Planning Resources and Public Works	Overall LMA Rating	Total LMA Miles						
	U	0.29						
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		0.43	1.72	593.10%				
Trim / Thin Trees	0.09		0.09	31.03%				
Encroachments	0.01		0.01	3.45%	0.01			
Operations & Maintenance Manuals	0.00							
Emergency Supplies & Equipment	0.00							
Flood Preparedness & Training	0.00							
<i>LMA Totals:</i>	0.11	0.43	1.83	631.03%	0.01	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2012 Levee Inspection Results**

Yolo County Planning Resources and Public Works

	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 2012 Levee Inspection Results

Yolo County Planning Resources and Public Works

Waterway		Bank	Unit Miles
Unit No. 01 Right Bank Cache Creek		Right	0.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			U
Date of Inspection	03/21/2012 - 03/21/2012		10/09/2012 - 10/09/2012
DWR Inspector	John Williamson		John Williamson
Accompanied By			

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
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Levee Inspection Report By Mile - Fall 2012

Yolo County Planning Resources and Public Works

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek				Right	0.29	10/09/2012 10/09/2012	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	M Ma		°	°	5
								DWR ID: DWR_NA0021_01_s_2012_5		
2			Earthen Levee	Emergency Supplies & Equipment	LS	M Ma		°	°	11
								DWR ID: DWR_NA0021_01_s_2012_11		
3			Earthen Levee	Flood Preparedness & Training	LS	M Ma		°	°	12
								DWR ID: DWR_NA0021_01_s_2012_12		
4	0.00	0.00	Earthen Levee	Encroachments	WS	M Ma	FW : Firewood	38.722220 ° -121.806965 °	38.722220 ° -121.806965 °	3 Y
								DWR ID: DWR_NA0021_01_s_2012_3		
5	0.01	0.01	Earthen Levee	Encroachments	WS	M En	PR : Prunings	38.722418 ° -121.806999 °	38.722418 ° -121.806999 °	4 Y
								DWR ID: DWR_NA0021_01_s_2012_4		
6	0.01	0.26	Earthen Levee	Vegetation	WS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.722220 ° -121.806966 °	38.725887 ° -121.806550 °	17 Y
								DWR ID: DWR_NA0021_01_s_2012_17		
7	0.02	0.25	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	38.722450 ° -121.807001 °	38.725754 ° -121.806515 °	2
								DWR ID: DWR_NA0021_01_s_2012_2		
8	0.03	0.03	Earthen Levee	Vegetation	WSA/W	Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.722633 ° -121.806938 °	38.722633 ° -121.806938 °	14 Y
								DWR ID: DWR_NA0021_01_s_2012_14		
9	0.03	0.06	Earthen Levee	Trim / Thin Trees	LS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.722699 ° -121.806920 °	38.723001 ° -121.806864 °	19 Y
								DWR ID: DWR_NA0021_01_s_2012_19		
10	0.08	0.08	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.723375 ° -121.806762 °	38.723375 ° -121.806762 °	20 Y
								DWR ID: DWR_NA0021_01_s_2012_20		
11	0.08	0.26	Earthen Levee	Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This area now has been declared a habitat restoration area by the Cache Creek Conservancy.	38.723381 ° -121.806786 °	38.725835 ° -121.806526 °	1 Y
								DWR ID: DWR_NA0021_01_s_2012_1		
12	0.13	0.13	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.723903 ° -121.806613 °	38.723903 ° -121.806613 °	6 Y
								DWR ID: DWR_NA0021_01_s_2012_6		
13	0.15	0.15	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.724165 ° -121.806552 °	38.724165 ° -121.806552 °	7 Y
								DWR ID: DWR_NA0021_01_s_2012_7		

* 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

Yolo County Planning Resources and Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.29	10/09/2012 10/09/2012	John Williamson

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.17	0.17	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.724445 ° -121.806505 °	38.724445 ° -121.806505 °	8 Y
DWR ID: DWR_NA0021_01_s_2012_8										
15	0.21	0.21	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.725022 ° -121.806478 °	38.725022 ° -121.806478 °	9 Y
DWR ID: DWR_NA0021_01_s_2012_9										
16	0.24	0.24	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.725427 ° -121.806470 °	38.725427 ° -121.806470 °	10 Y
DWR ID: DWR_NA0021_01_s_2012_10										

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Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Firewood pile is on the levee, waterside berm area. Photo fall 2012.	
johngw_f_20121015_744.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Pruning pile is on the waterside levee berm. Photo fall 2012.	
johngw_f_20121015_746.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.01
End Levee Mile	0.26
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Vegetation and brush is taller than 12 inches. No visibility of the waterside berm. Photo fall 2012.	
johngw_f_20121015_745.jpg	



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Levee Mile Report Line	8
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Photo taken spring 2012, a large Elerberry on the waterside.	
johngw_f_20120911_272.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.03
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The trees need to be thinned and trimmed up for visibility.	
johngw_f_20120911_275.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The landside tree need to be raised up to meet the standards.	
johngw_f_20120911_276.jpg	



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Levee Mile Report Line	11
Start Levee Mile	0.08
End Levee Mile	0.26
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>The vegetation is taller than 12 inches tall. Photo taken fall 2011.</p>	
<p>johngw_f_20120911_260.jpg</p>	



Levee Mile Report Line	12
Start Levee Mile	0.13
End Levee Mile	0.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
<p>The tree on the landside of the levee needs to be trimmed up. Photo taken fall 2011.</p>	
<p>johngw_f_20120911_267.jpg</p>	



Levee Mile Report Line	13
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
<p>All trees on the landside need to be raised. This view is looking downstream.</p>	
<p>johngw_f_20120911_268.jpg</p>	



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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Levee Mile Report Line	14
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The tree needs to be trimmed up for visibility photo taken fall 2011.	
johngw_f_20120911_269.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.21
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The tree needs to be trimmed up for visibility photo taken fall 2011.	
johngw_f_20120911_270.jpg	



Levee Mile Report Line	16
Start Levee Mile	0.24
End Levee Mile	0.24
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The tree needs to be trimmed up. Photo taken fall of 2011.	
johngw_f_20120911_271.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>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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