

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

Sutter Maintenance Yard Maintenance Area 0003

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** 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

Spring 2012 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0003

Waterway		Bank	Unit Miles
Unit No. 01 Feather River		Right	5.19

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2012 - 3/27/2012			
DWR Inspector	Clay Thomas			
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
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sutter Maintenance Yard Maintenance Area 0003

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River		Right	5.19	03/27/2012 03/27/2012	Clay Thomas

LMR 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		°	°	2
DWR ID: DWR_MA0003_01_s_2012_2										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	3
DWR ID: DWR_MA0003_01_s_2012_3										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	4
DWR ID: DWR_MA0003_01_s_2012_4										
4	0.08	3.55	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.897956 ° -121.616340 °	38.929400 ° -121.589029 °	117 Y
DWR ID: DWR_MA0003_01_s_2012_117										
5	0.08	4.27	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.897955 ° -121.616340 °	38.938488 ° -121.588693 °	116 Y
DWR ID: DWR_MA0003_01_s_2012_116										
6	0.80	0.80	Interior Drainage & Piping Systems	Sluice / Slide Gates	LS	M Ma	Inspector Comments: This pipe leaked during the high water event of 2010/2011.	38.903291 ° -121.605747 °	38.903291 ° -121.605747 °	5 Y
DWR ID: DWR_MA0003_01_s_2012_5										
7	1.72	1.85	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.906503 ° -121.591216 °	38.907690 ° -121.589415 °	118
DWR ID: DWR_MA0003_01_s_2012_118										
8	2.29	2.42	Earthen Levee	Slope Stability	WS	M Ob	S1 : Repair slope instability. Inspector Comments: Material movement on the waterside slope. The LMA should investigate the matter further.	38.912960 ° -121.585220 °	38.914582 ° -121.584106 °	119 Y
DWR ID: DWR_MA0003_01_s_2012_119										
9	4.27	5.17	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.938489 ° -121.588693 °	38.950889 ° -121.585790 °	1
DWR ID: DWR_MA0003_01_s_2012_1										

* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	5.19	03/27/2012 03/27/2012	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	3.55
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo was taken near levee 0.08 looking upstream at the waterside vegetation.

cathom_s_20120329_419.JPG



Levee Mile Report Line	5
Start Levee Mile	0.08
End Levee Mile	4.27
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo was taken at levee mile 0.08 looking upstream at the landside vegetation.

cathom_s_20120329_420.JPG



Levee Mile Report Line	6
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Land Side
Category	Interior Drainage & Piping Systems
Item	Sluice / Slide Gates

Levee mile 0.80, this photo is looking at the landside toe, one of these pipes leaked during the high water event of 2010/2011. A flap gate prevents flow from the waterward side to the landward side of the levee.

cathom_s_20120307_006.jpg



* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	5.19	03/27/2012 03/27/2012	Clay Thomas

Levee Mile Report Line	8
Start Levee Mile	2.29
End Levee Mile	2.42
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

This photo is the waterside slope looking downstream at levee mile 2.29.

cathom_s_20120307_009.jpg



Levee Mile Report Line	8
Start Levee Mile	2.29
End Levee Mile	2.42
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

This photo is the waterside slope looking upstream.

cathom_s_20120307_010.jpg



* 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
--	---	---