

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

Sutter Maintenance Yard Tisdale Bypass

	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 Tisdale Bypass

Waterway		Bank	Unit Miles
Unit No. 01 Tisdale Bypass		Left	4.50

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2012 - 3/29/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Yard			

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 Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.50	03/29/2012 03/29/2012	Bob Duffey

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		°	°	6
								DWR ID: DWR_ST0009_01_s_2012_6		
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	7
								DWR ID: DWR_ST0009_01_s_2012_7		
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	8
								DWR ID: DWR_ST0009_01_s_2012_8		
4	0.95	0.95	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.028308 ° -121.804270 °	39.028308 ° -121.804270 °	5 Y
								DWR ID: DWR_ST0009_01_s_2012_5		
5	2.18	4.10	Earthen Levee	Encroachments	LS	M En	PO : Poles	39.028173 ° -121.781475 °	39.028012 ° -121.745665 °	3 Y
								DWR ID: DWR_ST0009_01_s_2012_3		

* 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 - Spring 2012

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.50	03/29/2012 03/29/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Both slope of the levee are covered with grasses.	
rduffey_s_20120430_575.jpg	



Levee Mile Report Line	5
Start Levee Mile	2.18
End Levee Mile	4.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the PG&E poles along the landside crown of the levee.	
rduffey_s_20120312_509.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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Sutter Maintenance Yard Tisdale Bypass

Waterway		Bank	Unit Miles
Unit No. 02 Tisdale Bypass		Right	4.43

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2012 - 3/29/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Yard			

Summer & Winter Inspections

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/29/2012 03/29/2012	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.11	0.25	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	39.023760 ° -121.818875 °	39.024559 ° -121.816344 °	1 Y
DWR ID: DWR_ST0009_02_s_2012_1										
2	0.52	1.74	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	39.025539 ° -121.811540 °	39.025398 ° -121.789006 °	2 Y
DWR ID: DWR_ST0009_02_s_2012_2										
3	1.01	1.01	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	39.025542 ° -121.802468 °	39.025542 ° -121.802468 °	3 Y
DWR ID: DWR_ST0009_02_s_2012_3										
4	1.82	1.82	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.025365 ° -121.787363 °	39.025365 ° -121.787363 °	7 Y
DWR ID: DWR_ST0009_02_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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Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/29/2012 03/29/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.11
End Levee Mile	0.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agriculture ditch and erosion along the landside toe of the Levee.

rduffey_s_20120312_510.jpg



Levee Mile Report Line	2
Start Levee Mile	0.52
End Levee Mile	1.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the ag ditch next to the L/S toe.

rduffey_s_20120312_511.jpg



Levee Mile Report Line	3
Start Levee Mile	1.01
End Levee Mile	1.01
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of the erosion along the waterside toe of the levee.

rduffey_s_20120312_512.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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Levee Inspection Report By Mile - Spring 2012

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/29/2012 03/29/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Both slopes of the levee are covered with native grasses.	
rduffey_s_20120416_573.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
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