

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0009		Overall LMA Rating	Total LMA Miles				
Sutter Maintenance Yard Tisdale Bypass		A	8.93				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Encroachments					3.28		
Erosion / Bank Caving	0.01		0.01	0.11%			
<i>LMA Totals:</i>	0.01	0.00	0.01	0.11%	3.28	0.00	
Unit No. 01 Tisdale Bypass LB		Overall Unit Rating	Total Unit Miles				
ST0009		A	4.50				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Encroachments					1.92		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.92	0.00	
Unit No. 02 Tisdale Bypass RB		Overall Unit Rating	Total Unit Miles				
ST0009		A	4.43				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Encroachments					1.36		
Erosion / Bank Caving	0.01		0.01	0.23%			
<i>Unit Totals:</i>	0.01	0.00	0.01	0.23%	1.36	0.00	

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2011 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)			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 2011 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)			A	
Date of Inspection	3/9/2011 - 3/9/2011		12/5/2011 - 12/5/2011	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Steve Beckley Sutter Yard		Steve Beckley Sutter Yard	

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, Suite 200
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.50	12/05/2011 12/05/2011	Bob Duffey

LMIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	1.05	1.05	Earthen Levee	Encroachments	WS	C	Tree or limb	39.028283 ° -121.802480 °	39.028283 ° -121.802480 °	2 Y
2	1.05	1.05	Earthen Levee	Encroachments	WS	A	Tree or limb	39.028275 ° -121.802423 °	39.028275 ° -121.802423 °	5 Y
3	2.18	4.10	Earthen Levee	Encroachments	LS	PO	Poles	39.028173 ° -121.781475 °	39.028012 ° -121.745665 °	3 Y
4	3.69	3.69	Earthen Levee	Encroachments	WS	A	Tree or limb	39.027935 ° -121.753402 °	39.027935 ° -121.753402 °	6 Y
5	3.69	3.69	Earthen Levee	Encroachments	WS	C	Tree or limb	39.027873 ° -121.753358 °	39.027873 ° -121.753358 °	4

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
---	---	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.50	12/05/2011 12/05/2011	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	1.05
End Levee Mile	1.05
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The downed trees has been removed from this location.	
rduffey_f_20111206_557.jpg	



Levee Mile Report Line	3
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_f_20110927_229.jpg	



Levee Mile Report Line	4
Start Levee Mile	3.69
End Levee Mile	3.69
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The downed trees has been removed from this location.	
rduffey_f_20111206_558.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 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)			A	
Date of Inspection	3/9/2011 - 3/9/2011		12/5/2011 - 12/5/2011	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Steve Beckley Sutter Yard		Steve Beckley Sutter Yard	

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, Suite 200
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	12/05/2011 12/05/2011	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	PO	Agricultural Ditch	39.023760 ° -121.818875 °	39.024559 ° -121.816344 °	1 Y
2	0.52	1.74	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.025539 ° -121.811540 °	39.025398 ° -121.789006 °	2 Y
3	1.01	1.01	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	39.025542 ° -121.802468 °	39.025542 ° -121.802468 °	3 Y

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	12/05/2011 12/05/2011	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_f_20110927_231.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_f_20110927_232.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_f_20110927_233.jpg



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
---	---	---	--