

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>ST0012</b>		Overall LMA Rating	Total LMA Miles				
<b>Sacramento Maintenance Yard Willow Slough Bypass</b>		<b>A</b>	<b>12.46</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Encroachments					0.61		
Erosion / Bank Caving	0.05		0.05	0.40%			
<i>LMA Totals:</i>	0.05	0.00	0.05	0.40%	0.61	0.00	
<b>Unit No. 01 Willow Slough Bypass or North Levee LB</b>		Overall Unit Rating	Total Unit Miles				
ST0012		<b>A</b>	<b>5.09</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Encroachments					0.60		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.60	0.00	
<b>Unit No. 02 Willow Slough Bypass or South Levee RB</b>		Overall Unit Rating	Total Unit Miles				
ST0012		<b>A</b>	<b>7.37</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Encroachments					0.01		
Erosion / Bank Caving	0.05		0.05	0.68%			
<i>Unit Totals:</i>	0.05	0.00	0.05	0.68%	0.01	0.00	

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2011 Levee Inspection Results**

**Sacramento Maintenance Yard Willow Slough 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**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/10/2011 - 3/10/2011		10/25/2011 - 10/25/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Casey Lund Sac maint.		Casey Lund Sac maint.	

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**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee				Left	5.09	10/25/2011 10/25/2011	John Williamson

  

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.15	Earthen Levee	Encroachments	CR PO	Landscaping	Inspector Comments: This is the treatment plant's landscaping and chain link fence.	38.590742 ° -121.665767 °	38.590716 ° -121.668203 °	1 Y
2	4.16	4.63	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.597093 ° -121.737883 °	38.599857 ° -121.745158 °	4 Y

<p><b>* Location</b>                  LS : Land Side                  WS : Water Side                  CR : Crown</p>	<p><b>** Rating</b>                  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>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	10/25/2011 10/25/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.15
Location	Crown
Category	Earthen Levee
Item	Encroachments

The treatment plant's landscape and fence. This runs along the crown and toe of the levee.

johngw\_f\_20111026\_420.jpg



Levee Mile Report Line	2
Start Levee Mile	4.16
End Levee Mile	4.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch runs along the toe of the levee. Fall 2011

johngw\_f\_20111026\_421.jpg



Levee Mile Report Line	2
Start Levee Mile	4.16
End Levee Mile	4.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Another view of the agricultural running along the toe of the levee. Fall 2011

johngw\_f\_20111026\_422.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/10/2011 - 3/10/2011		10/25/2011 - 10/25/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Casey Lund Sac maint.		Casey Lund Sac maint.	

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**Comments**

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**X** \_\_\_\_\_ Date

Signature of LMA Representative

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee				Right	7.37	10/25/2011 10/25/2011	John Williamson

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	1.71	1.71	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.589966 ° -121.727072 °	38.589966 ° -121.727072 °	8 Y
2	1.86	1.86	Earthen Levee	Encroachments	WS	W	Pipe	38.589923 ° -121.724187 °	38.589923 ° -121.724187 °	1 Y
3	1.86	1.86	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: The owner of the pipe has placed two pipes in the channel. This is to pond the water for irrigation. It is possible that this started the erosion of the bank.	38.589922 ° -121.724185 °	38.589922 ° -121.724185 °	3 Y
4	1.97	1.97	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.589906 ° -121.722218 °	38.589906 ° -121.722218 °	5 Y
5	2.66	2.66	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: The erosion is starting to encroach into the toe road.	38.589714 ° -121.709456 °	38.589714 ° -121.709456 °	9 Y
6	2.90	2.90	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: The site has a discharge pipe and has begun eroding around the pipe. It is also eroding into the toe road.	38.589707 ° -121.705044 °	38.589707 ° -121.705044 °	10 Y
7	3.56	3.56	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: Control structure for Davis Drain block building	38.589657 ° -121.692850 °	38.589657 ° -121.692850 °	2 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	10/25/2011 10/25/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	1.71
End Levee Mile	1.71
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion on the levee channel is encroaching into the toe road. Fall 2011

johngw\_f\_20111026\_423.jpg



Levee Mile Report Line	2
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A pipe crossing thru the levee and blocking toe road. Fall 2011

johngw\_f\_20111026\_424.jpg



Levee Mile Report Line	3
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

There is erosion occurring at the pump. This may be because the owner has made a pond area in the channel. Fall 2011

johngw\_f\_20111026\_425.jpg



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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2011**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	10/25/2011 10/25/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	1.97
End Levee Mile	1.97
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
<p>The erosion on the bank of the channel is encroaching into the power pole and toe road. Fall 2011</p>	
<p>johngw_f_20111026_426.jpg</p>	



Levee Mile Report Line	4
Start Levee Mile	1.97
End Levee Mile	1.97
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
<p>The erosion is starting to encroach into the toe road. Fall 2011</p>	
<p>johngw_f_20111026_427.jpg</p>	



Levee Mile Report Line	5
Start Levee Mile	2.66
End Levee Mile	2.66
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
<p>The erosion in the channel is starting to encroach into the toe road. Fall 2011</p>	
<p>johngw_f_20111026_428.jpg</p>	



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**Levee Inspection Report By Mile - Fall 2011**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	10/25/2011 10/25/2011	John Williamson

Levee Mile Report Line	6
Start Levee Mile	2.90
End Levee Mile	2.90
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The slope around the discharge pipe is eroding the toe road. Rip rap could be placed around the pipe and re-sloped. Fall 2011

johngw\_f\_20111026\_429.jpg



Levee Mile Report Line	7
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A control structure is placed on top of the levee. Fall 2011

johngw\_f\_20111026\_430.jpg



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