

**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>ST0011</b>	Overall LMA Rating	Total LMA Miles				
<b>Sacramento Maintenance Yard West Levee Yolo Bypass</b>	<b>A</b>	<b>9.33</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					3.52	
Animal Control	0.01		0.01	0.11%		
<i>Supplemental</i>						
USACE Erosion Survey	0.15		0.15	1.61%		
<i>LMA Totals:</i>	0.16	0.00	0.16	1.72%	3.52	0.00

<b>Unit No. 01 West Levee RB</b>	Overall Unit Rating	Total Unit Miles				
ST0011	<b>A</b>	<b>2.72</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					0.84	
<i>Supplemental</i>						
USACE Erosion Survey	0.15		0.15	5.52%		
<i>Unit Totals:</i>	0.15	0.00	0.15	5.52%	0.84	0.00

<b>Unit No. 02 West Levee RB</b>	Overall Unit Rating	Total Unit Miles				
ST0011	<b>A</b>	<b>1.52</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					0.92	
Animal Control	0.01		0.01	0.66%		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.66%	0.92	0.00

<b>Unit No. 03 West Levee RB</b>	Overall Unit Rating	Total Unit Miles				
ST0011	<b>A</b>	<b>1.48</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>No Items</i>						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

<b>Unit No. 04 West Levee RB</b>	Overall Unit Rating	Total Unit Miles				
ST0011	<b>A</b>	<b>3.61</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					1.76	
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.76	0.00

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

**Sacramento Maintenance Yard West Levee Yolo 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 West Levee Yolo Bypass**

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	2.72
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/7/2011 - 3/7/2011		9/29/2011 - 9/29/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Phil Carey Sa ramento Maintenance		Phil Carey Sacramento Maintenance	
	Ted Skidgel Sac maint		Ted Skidgel 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**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee							Right	2.72	09/29/2011 09/29/2011	John Williamson
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.36	0.43	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.755535 ° -121.664127 °	38.754512 ° -121.663907 °	1 Y
2	0.93	1.63	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.747888 ° -121.660202 °	38.737688 ° -121.660235 °	8 Y
3	2.53	2.68	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Slow wave wash and general fluvial erosion of the toe area under river cobbles. Erosion is creating a scarp and cobble covered wave-cut bench. 2011: Site appears better than it looked in 2006, but still eroding. [2011 Site ID: YOL_2-6_R]	38.725505 ° -121.662041 °	38.724385 ° -121.664564 °	2 Y
4	2.63	2.70	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.724800 ° -121.663710 °	38.724230 ° -121.664873 °	4 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	09/29/2011 09/29/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.36
End Levee Mile	0.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The end of the agricultural ditch along the toe of the levee. Photo taken fall 2011.

johngw\_f\_20111011\_794.jpg



Levee Mile Report Line	1
Start Levee Mile	0.36
End Levee Mile	0.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This photo shows the agricultural ditch as it turns towards the levee toe. Photo taken fall 2011.

johngw\_f\_20111011\_795.jpg



Levee Mile Report Line	2
Start Levee Mile	0.93
End Levee Mile	1.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A photo of the agricultural ditch along the toe. Photo taken fall 2011.

johngw\_f\_20111011\_796.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**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	09/29/2011 09/29/2011	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.93
End Levee Mile	1.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This is another view of the agricultural ditch along the toe. Photo taken fall 2011.

johngw\_f\_20111011\_797.jpg



Levee Mile Report Line	3
Start Levee Mile	2.53
End Levee Mile	2.68
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_YOL\_2-6\_R\_1.jpg



Levee Mile Report Line	3
Start Levee Mile	2.53
End Levee Mile	2.68
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_YOL\_2-6\_R\_2.jpg



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

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	09/29/2011 09/29/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	2.63
End Levee Mile	2.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural ditch running along toe landside. 3-7-11	
johngw_f_20110923_793.jpg	



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

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway			Bank	Unit Miles
Unit No. 02 West Levee			Right	1.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/7/2011 - 3/7/2011		9/29/2011 - 9/29/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Ted Skidgel Sac maint		Ted Skidgel 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**

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DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date



**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 West Levee						Right	1.52	09/29/2011 09/29/2011	John Williamson	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.08	0.21	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.718005 ° -121.664496 °	38.716140 ° -121.665460 °	4 Y
2	0.39	0.39	Earthen Levee	Animal Control	LS	A	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.713799 ° -121.666805 °	38.713799 ° -121.666805 °	1 Y
3	0.47	0.97	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.712813 ° -121.667349 °	38.706018 ° -121.670831 °	3 Y
4	1.15	1.44	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.703681 ° -121.672090 °	38.699637 ° -121.674112 °	5 Y
5	1.43	1.43	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.699942 ° -121.674026 °	38.699942 ° -121.674026 °	2 Y

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/29/2011 09/29/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.08
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Agricultural ditch full of water runs along the toe of the levee. Photo taken fall 2011.

johngw\_f\_20111024\_006.jpg



Levee Mile Report Line	2
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Land Side
Category	Earthen Levee
Item	Animal Control

There are old rodent holes on the levee slope. Animal control program is working need to backfill holes. Photo taken fall 2011.

johngw\_f\_20111024\_007.jpg



Levee Mile Report Line	3
Start Levee Mile	0.47
End Levee Mile	0.97
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Agricultural ditch runs along the toe of the levee. Photo taken fall 2011.

johngw\_f\_20111024\_008.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/29/2011 09/29/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	1.15
End Levee Mile	1.44
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Agricultural ditch runs along the toe of the levee. It varies in distance from toe from 1-10 feet away. Photo taken fall 2011.

johngw\_f\_20111024\_009.jpg



Levee Mile Report Line	5
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Animal Control

A rodent hole at toe of levee. Photo taken fall 2011.

johngw\_f\_20111012\_005.jpg



**\* Location**

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WS : Water Side  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway			Bank	Unit Miles
Unit No. 03 West Levee			Right	1.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/7/2011 - 3/7/2011		9/29/2011 - 9/29/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Ted Skidgel Sac maint		Ted Skidgel 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.
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Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee					Right	1.48	09/29/2011 09/29/2011	John Williamson

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.40	0.40	Earthen Levee	Animal Control	WS	A	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.692822 ° -121.673777 °	38.692822 ° -121.673777 °	3 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.48	09/29/2011 09/29/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole near the toe of the levee. Photo taken fall 2011.

johngw\_f\_20111012\_004.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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M : Minimally Acceptable      CO : Completely Obstructing  
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway			Bank	Unit Miles
Unit No. 04 West Levee			Right	3.61
	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		10/26/2011 - 10/26/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Casey Lund Sac maint.		Casey Lund Sac maint.	

Check one:

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Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 04 West Levee				Right	3.61	10/26/2011 10/26/2011	John Williamson	

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.57	0.57	Earthen Levee	Encroachments	CR	C	Material Inspector Comments: Railroad tracks being repaired; material blocking levee crown no access across tracks and it appears that work is not being performed at this time. District gate is broken and needs to be repaired.	38.566349 ° -121.638873 °	38.566349 ° -121.638873 °	5 Y
2	1.78	2.70	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.550387 ° -121.631257 °	38.536958 ° -121.631450 °	3 Y
3	2.76	3.60	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.536100 ° -121.631425 °	38.523807 ° -121.631535 °	4 Y
4	3.36	3.43	Earthen Levee	Cracking	LS	A	Monitor and have inspected by geotechnical engineer. Inspector Comments: There is cracking along the length of the entire ag. ditch. The cracks seem to close due to winter moisture. The cracks have returned during the summer and fall months. They do not appear as severe as last year.	38.527302 ° -121.631455 °	38.525952 ° -121.631467 °	1 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
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U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/26/2011 10/26/2011	John Williamson

Levee Mile Report Line	2
Start Levee Mile	1.78
End Levee Mile	2.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The argricultural ditch runs along the landside toe.  
Fall 2011

johngw\_f\_20111027\_431.jpg



Levee Mile Report Line	3
Start Levee Mile	2.76
End Levee Mile	3.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The argricultural ditch runs along the toe of the  
landside. Fall 2011

johngw\_f\_20111027\_432.jpg



Levee Mile Report Line	3
Start Levee Mile	2.76
End Levee Mile	3.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This view is looking to the north. Fasll 2011

johngw\_f\_20111027\_433.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**

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

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/26/2011 10/26/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	3.36
End Levee Mile	3.43
Location	Land Side
Category	Earthen Levee
Item	Cracking

There are cracks running along the landside shoulder. They run off and on the distance of the ditch. Fall 2011

johngw\_f\_20111027\_434.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor