

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0011	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard West Levee Yolo Bypass	A	9.33						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					3.53			
Cracking	0.04		0.04	0.43%				
<i>Supplemental</i>								
USACE Erosion Survey	0.15		0.15	1.61%				
DWR UCIP Field Study					0.16			
<i>LMA Totals:</i>	0.19	0.00	0.19	2.04%	3.69	0.00	0.00	0.00

Unit No. 01 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	2.72						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.85			
<i>Supplemental</i>								
USACE Erosion Survey	0.15		0.15	5.52%				
DWR UCIP Field Study					0.03			
<i>Unit Totals:</i>	0.15	0.00	0.15	5.52%	0.88	0.00	0.00	0.00

Unit No. 02 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	1.52						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.92			
Cracking	0.04		0.04	2.63%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.05			
<i>Unit Totals:</i>	0.04	0.00	0.04	2.63%	0.97	0.00	0.00	0.00

Unit No. 03 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	1.48						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.07	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 West Levee RB		Overall Unit Rating	Total Unit Miles						
ST0011		A	3.61						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					1.76				
<i>Supplemental</i>									
DWR UCIP Field Study					0.01				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.77	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 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. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 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)			A	
Date of Inspection	-		10/09/2013 - 10/09/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Phil Carey Sacramento Maintenance Yard		Phil Carey Sacramento Maintenance Yard	
	Ted Skidgel Sacramento Maintenance Yard		Ted Skidgel Sacramento Maintenance 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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	10/09/2013 10/09/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	5
								°	°	Y
DWR ID: DWR_ST0011_01_s_2013_5										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	6
								°	°	
DWR ID: DWR_ST0011_01_s_2013_6										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	7
								°	°	
DWR ID: DWR_ST0011_01_s_2013_7										
4	0.36	0.43	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.755535 °	38.754512 °	1
								-121.664127 °	-121.663907 °	Y
DWR ID: DWR_ST0011_01_s_2012_1										
5	0.83	0.83	Earthen Levee	Encroachments	LS	M En	PR : Prunings	38.749283 °	38.749283 °	173
								-121.660768 °	-121.660768 °	Y
DWR ID: DWR_ST0011_01_f_2013_173										
6	0.93	1.63	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.747888 °	38.737688 °	8
								-121.660202 °	-121.660235 °	Y
DWR ID: DWR_ST0011_01_s_2012_8										
7	1.85	1.85	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13970 EP_NO: 10284 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Found abandoned 42-inch CM pipe on LS berm of the levee. This was abandoned by farmer, how Unknown. need to have verified if removed or concreted FIELD_STRUCT_DESC: 42-inch CM drainpipe through levee 25.0 feet below crown. Slide gate on waterward end. (ABO No. 10284 - Hershey). O&M manual 127, Revision Year 2011 FS Date: 5/28/2013 2:39:00 PM	38.734568 °	38.734568 °	169
								-121.660264 °	-121.660264 °	Y
DWR ID: DWR_ST0011_01_f_2013_169										
8	1.85	1.85	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6848 EP_NO: 6306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The pipe is about 18-ft below the crown. Seems pump has been used for dual purpose. There is another pipe (approx. 12-inch) found near the pump crossing the ditch. Two closing valves also found in pumping system. FIELD_STRUCT_DESC: 20-inch steel drainpipe through levee 5.8 feet below crown. Pump and switch panel at toe of landward slope. Siphon breaker on landward slope. (App. No. 6306 - Hershey). O&M manual 127, Revision Year 2011. FS Date: 10/17/2012	38.734543 °	38.734543 °	170
								-121.660264 °	-121.660264 °	
DWR ID: DWR_ST0011_01_f_2013_170										

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	En : Enforcement
	N : Not Inspected/Rated	
	C : Corrected	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	10/09/2013 10/09/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
9	1.85	1.85	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6860 EP_NO: 6306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The pipe is about 18-ft below the crown. Seems pump has been used for dual purpose. There is another pipe (approx. 12-inch) found near the pump crossing the ditch. Two closing valves also found in pumping station. FIELD_STRUCT_DESC: 20-inch steel drainpipe through levee 5.8 feet below crown. Pump and switch panel at toe of landward slope. Siphon breaker on landward slope. (App. No. 6306 - Hershey). O&M manual 127, Revision Year 2011. FS Date: 10/17/2012	38.734543 ° -121.660264 °	38.734543 ° -121.660264 °	171 Y
DWR ID: DWR_ST0011_01_f_2013_171										
10	2.53	2.68	Earthen Levee	Erosion / Bank Caving	WS	A Ma	Inspector Comments: This area has been repaired and the USACE entry should be removed.	38.725550 ° -121.662077 °	38.724482 ° -121.664563 °	174 Y
DWR ID: DWR_ST0011_01_f_2013_174										
11	2.53	2.68	Supplemental	USACE Erosion Survey	WS	M Ma	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. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: YOL_2-6_R]	38.725505 ° -121.662041 °	38.724385 ° -121.664564 °	2
DWR ID:										
12	2.63	2.70	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.724800 ° -121.663710 °	38.724230 ° -121.664873 °	4 Y
DWR ID: DWR_ST0011_01_s_2012_4										

*** 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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Land Side
Category	Earthen Levee
Item	Operations & Maintenance Manuals
The levee slope is mostly grasses. Photo fall 2012.	
johngw_f_20130924_748.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.36
End Levee Mile	0.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The culvert at the end of the agricultural ditch. Fall 2013	
johngw_f_20131014_972.JPG	



Levee Mile Report Line	4
Start Levee Mile	0.36
End Levee Mile	0.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The agricultural ditch along the levee toe. Fall 2013	
johngw_f_20131014_973.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**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A pruning pile on the landside levee slope. Fall 2013	
johngw_f_20131014_974.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.93
End Levee Mile	1.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The agricultural ditch runs along the toe of the levee. Fall 2013	
johngw_f_20131014_975.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.93
End Levee Mile	1.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Another view of the agricultural ditch at the toe. Fall 2013	
johngw_f_20131014_976.JPG	

*** Location**

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WS : Water Side
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**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	7
Start Levee Mile	1.85
End Levee Mile	1.85
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Landside view: an abandoned CM pipe on LS berm of the levee.

UCIP_7487.jpg



Levee Mile Report Line	9
Start Levee Mile	1.85
End Levee Mile	1.85
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Landside view: overview of pumping station (walkway, valves, powerline, oil barrel etc)

UCIP_2988.jpg



Levee Mile Report Line	10
Start Levee Mile	2.53
End Levee Mile	2.68
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The waterside slope has been resloped and the cobble rock has been placed back. Fall 2013

johngw_f_20131014_977.JPG



*** Location**

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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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.72	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	10
Start Levee Mile	2.53
End Levee Mile	2.68
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion site has been corrected. Fall 2013

johngw_f_20131014_978.JPG



Levee Mile Report Line	12
Start Levee Mile	2.63
End Levee Mile	2.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch runs along the toe of the levee. Spring 2013

johngw_f_20130924_747.JPG



*** Location**

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**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 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)			A	
Date of Inspection	-		10/09/2013 - 10/09/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Ted Skidgel Sacramento Maintenance Yard		Ted Skidgel Sacramento Maintenance 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).

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- a) completion of the inspection
- b) any changes other than the results of normal maintenance
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If additional items are noted, further documentation of those items must also be submitted.

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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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee						Right	1.52	10/09/2013 10/09/2013	John Williamson
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1	0.00	0.04	Earthen Levee	Cracking	WS Ma	CR1 : Monitor and have inspected by geotechnical engineer.	38.718998 ° -121.664087 °	38.718430 ° -121.664270 °	13 Y
							DWR ID: DWR_ST0011_02_f_2013_13		
2	0.01	0.01	Earthen Levee	Encroachments	WS En	DE : Debris	38.718893 ° -121.664095 °	38.718893 ° -121.664095 °	6 Y
							DWR ID: DWR_ST0011_02_s_2013_6		
3	0.07	0.07	Earthen Levee	Encroachments	LS En	DE : Debris Inspector Comments: 36" concrete pipe at toe of levee	38.718087 ° -121.664462 °	38.718087 ° -121.664462 °	8 Y
							DWR ID: DWR_ST0011_02_s_2012_8		
4	0.08	0.21	Earthen Levee	Encroachments	LS En	DT : Ditch	38.718005 ° -121.664496 °	38.716140 ° -121.665460 °	4 Y
							DWR ID: DWR_ST0011_02_s_2012_4		
5	0.22	0.22	Supplemental	DWR UCIP Field Study	LS En	Inspector Comments: FS_ID:6865 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate on waterside stand pipe. Not properly abandoned. No new pipe found. FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through levee 23.0 feet below crown. Slide gate on waterward end. waterward end extends across irrigation ditch and feeds into 20-inch pipe off waterward toe out into field. FS Date: 10/17/2012	38.716115 ° -121.665475 °	38.716115 ° -121.665475 °	1 Y
							DWR ID: DWR_ST0011_02_f_2013_1		
6	0.22	0.22	Supplemental	DWR UCIP Field Study	LS En	Inspector Comments: FS_ID:6861 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate on waterside stand pipe. Not properly abandoned. No new pipe found. FIELD_STRUCT_DESC: Abandoned 24-inch pipe through levee 23.0 feet below crown. Slide gate on waterward end. waterward end extends across irrigation ditch and feeds into 20-inch pipe off waterward toe out into field. FS Date: 10/17/2012	38.716115 ° -121.665475 °	38.716115 ° -121.665475 °	2 Y
							DWR ID: DWR_ST0011_02_f_2013_2		
7	0.47	0.97	Earthen Levee	Encroachments	LS En	DT : Ditch	38.712813 ° -121.667349 °	38.706018 ° -121.670831 °	3 Y
							DWR ID: DWR_ST0011_02_s_2012_3		

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	10/09/2013 10/09/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
8	0.98	0.98	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6866 EP_NO: 10288 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sloughing at pipe day light on WS slope. A 8-inch pipe was not visible during field survey. FIELD_STRUCT_DESC: 24 inch pipe through levee 5.2 feet below crown; a 8-inch pipe sleeved through the 24-inch pipe with the annular space grouted, a pump in a pumphouse at the toe of the landward slope, and a siphon breaker on the waterside slope. (ABO No. 10288 - Cache Creek Ranch). FS Date: 10/17/2012	38.705952 ° -121.670875 °	38.705952 ° -121.670875 °	10
DWR ID: DWR_ST0011_02_f_2013_10										
9	0.98	0.98	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6863 EP_NO: 10288 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sloughing at pipe day light on WS slope. FIELD_STRUCT_DESC: 24 inch pipe through levee 5.2 feet below crown; a 8-inch pipe sleeved through the 24-inch pipe with the annular space grouted, a pump in a pumphouse at the toe of the landward slope, and a siphon breaker on the waterside slope. (ABO No. 10288 - Cache Creek Ranch). FS Date: 10/17/2012	38.705952 ° -121.670875 °	38.705952 ° -121.670875 °	11
DWR ID: DWR_ST0011_02_f_2013_11										
10	0.98	0.98	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:14090 EP_NO: 10288 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sloughing at pipe day light on WS slope. A 8-inch pipe was not visible during field survey. Air vent leaking water when pump activated causing erosion around pipe on slope. FIELD_STRUCT_DESC: 24 inch pipe through levee 5.2 feet below crown; a 8-inch pipe sleeved through the 24-inch pipe with the annular space grouted, a pump in a pumphouse at the toe of the landward slope, and a siphon breaker on the waterside slope. (ABO No. 10288 - Cache Creek Ranch). FS Date: 5/29/2013 2:21:16 PM	38.705952 ° -121.670875 °	38.705952 ° -121.670875 °	12 Y
DWR ID: DWR_ST0011_02_f_2013_12										
11	1.15	1.44	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.703681 ° -121.672090 °	38.699637 ° -121.674112 °	5 Y
DWR ID: DWR_ST0011_02_s_2012_5										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.04
Location	Water Side
Category	Earthen Levee
Item	Cracking

Cracks were observed that are between 2 and 6 inches deep and 2-4 inches wide. Fall 2013

johngw_f_20131014_981.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.04
Location	Water Side
Category	Earthen Levee
Item	Cracking

The cracks are between 1-2 inches wide and 2-4 inches deep. Fall 2013

johngw_f_20131014_982.JPG



Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch is at the toe of the levee. Fall 2013

johngw_f_20131014_983.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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Landside view: overview of abandoned structure.

UCIP_3014.jpg



Levee Mile Report Line	7
Start Levee Mile	0.47
End Levee Mile	0.97
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch is within the easement of the levee. Fall 2013

johngw_f_20131014_984.JPG



Levee Mile Report Line	10
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Waterside view: overview of pipe and water channel

UCIP_7545.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**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	11
Start Levee Mile	1.15
End Levee Mile	1.44
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch is within the easement of the levee. Fall 2013

johngw_f_20131014_985.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

Fall 2013 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	-		10/09/2013 - 10/09/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Ted Skidgel Sacramento Maintenance Yard		Ted Skidgel Sacramento Maintenance 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.

Levee Inspection Report By Mile - Fall 2013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.48	10/09/2013 10/09/2013	John Williamson

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.48	10/09/2013 10/09/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

6	1.45	1.45	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6877 EP_NO: 10296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate was partially opened during field survey period. Intake pipe on LS was burried with floated debrid/logs. Debris removal or trash rack/screen is required. Two pipes are 5 ft apart from each other. Slide gate on landward end not found. FIELD_STRUCT_DESC: One of two CMP. Two 36-inch C.M. pipes through levee 20.0 feet below crown. . (ABO No. 10296 Woodland Farms). FS Date: 10/17/2012	38.677540 ° -121.672812 °	38.677540 ° -121.672812 °	6
DWR ID: DWR_ST0011_03_f_2013_6										
7	1.45	1.45	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6876 EP_NO: 10296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flat gate was partially open. Intake pipes in LS burried with floating debris/wooden logs. Debris removal or trash rack/screen is required. Two pipes are 5 ft apart from each other. FIELD_STRUCT_DESC: Two of two CMP. Two 36-inch C.M. pipes through levee 20.0 feet below crown. Slide gate on landward end. (ABO No. 10296 Woodland Farms). FS Date: 10/17/2012	38.677540 ° -121.672841 °	38.677540 ° -121.672841 °	7
DWR ID: DWR_ST0011_03_f_2013_7										
8	1.45	1.45	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7160 EP_NO: 10296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate was partially opened during field survey period. Intake pipe on LS was burried with floated debrid/logs. Debris removal or trash rack/screen is required. Two pipes are 5 ft apart from each other. Slide gate on landward end not found. FIELD_STRUCT_DESC: One of two CMP. Two 36-inch C.M. pipes through levee 20.0 feet below crown. (ABO No. 10296 Woodland Farms). FS Date: 10/17/2012	38.677539 ° -121.672841 °	38.677539 ° -121.672841 °	8 Y
DWR ID: DWR_ST0011_03_f_2013_8										

* 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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.48	10/09/2013 10/09/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
9	1.46	1.46	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7080 EP_NO: 10296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flat gate was partially open. Intake pipes in LS buried with floating debris/wooden logs. Debris removal or trash rack/screen is required. Two pipes are 5 ft apart from each other. FIELD_STRUCT_DESC: Two of two CMP. Two 36-inch C.M. pipes through levee 20.0 feet below crown. Slide gate on landward end. (ABO No. 10296 Woodland Farms). FS Date: 10/17/2012	38.677527 ° -121.672839 °	38.677527 ° -121.672839 °	9

DWR ID: DWR_ST0011_03_f_2013_9

* 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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.48	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	1.41
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The levee has greater then 50% grasses on the slope. Fall 2013	
johngw_f_20131014_987.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.01
End Levee Mile	1.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The levee slope has been burned. Fall 2013	
johngw_f_20131014_986.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Waterside view: an abandned steel pipe.	
UCIP_3024.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**

Levee Inspection Report By Mile - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.48	10/09/2013 10/09/2013	John Williamson

Levee Mile Report Line	8
Start Levee Mile	1.45
End Levee Mile	1.45
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Waterside view: CM pipes and flap gates.

UCIP_3076.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

Fall 2013 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)			A	
Date of Inspection	-		10/10/2013 - 10/10/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Casey Lund Sacramento Maintenance Yard		Casey Lund Sacramento Maintenance 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).

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- 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.

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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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee				Right	3.61	10/10/2013 10/10/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.02	3.60	Earthen Levee	Vegetation	LS	A	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.574365 ° -121.638740 °	38.523807 ° -121.631540 °	5 Y
DWR ID: DWR_ST0011_04_s_2013_5										
2	0.02	3.60	Earthen Levee	Vegetation	WS	A	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.574365 ° -121.638740 °	38.523807 ° -121.631540 °	114 Y
DWR ID: DWR_ST0011_04_f_2013_114										
3	1.78	2.70	Earthen Levee	Encroachments	LS	M	DT : Ditch Inspector Comments: Location:Levee Slope Only (L/S); Remarks: Start point for drainage ditch encroaching on the landside VFZ heading south. The ditch is estimated to be greater than 6 ft deep. The top of the ditch is within 10 ft of the landside toe. Continues in approximately this configuration to point 0101.; Action: Appears to correspond to as-built conditions considering 10 foot offset, as shown on as-built drawing file number 50-4-2280. Verify ditch design. Monitor.; Status: Monitor	38.550387 ° -121.631257 °	38.536958 ° -121.631450 °	3 Y
DWR ID: DWR_ST0011_04_s_2012_3										
4	2.10	2.10	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:7021 EP_NO: 10306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Outlet pipe blocked half way by mud and debris on WS of the levee. FIELD_STRUCT_DESC: A 42-inch steel pipe inside a 48-inch CM drainpipe through the levee, 21.5 ft. below the crown and a flap gate on the waterside of the levee; w/ 2 cut-off walls, 1 headwall, and 1 saddle and apron. ABO No. 10306. O&M manual 119, Revision Year 2010 FS Date: 10/18/2012	38.545646 ° -121.631172 °	38.545646 ° -121.631172 °	113 Y
DWR ID: DWR_ST0011_04_f_2013_113										
5	2.76	3.60	Earthen Levee	Encroachments	LS	M	DT : Ditch Inspector Comments: Location:Levee Slope Only (L/S); Remarks: Drainage/irrigation ditch noted in point 0082 was widened and moved closer to the levee embankment at this location. The ditch continues to the south with a width of 25 feet, and encroaching into the levee toe. See south end point 0137.; Action: Does not match as-builts (50-4-2280). This excavation requires an engineering evaluation including slope stability and seepage. Provide permit file, obtain a new permit, or fill and compact to match surrounding grade in accordance with the O&M manual.; Status: Monitor	38.536100 ° -121.631425 °	38.523807 ° -121.631535 °	4 Y
DWR ID: DWR_ST0011_04_s_2012_4										

* 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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/10/2013 10/10/2013	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	3.60
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The levee has been burned and the grasses are beginning to grow. Fall 2013

johngw_f_20131014_988.JPG



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	3.60
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The grasses are beginning to grow on the slope. Fall 2013

johngw_f_20131014_989.JPG



Levee Mile Report Line	3
Start Levee Mile	1.78
End Levee Mile	2.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch is within the easement of the levee. Fall 2013

johngw_f_20131014_990.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 - Fall 2013

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/10/2013 10/10/2013	John Williamson

Levee Mile Report Line	4
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Landside view: 42-inch steel pipe inside a 48-inch CMP

UCIP_3043.jpg



Levee Mile Report Line	5
Start Levee Mile	2.76
End Levee Mile	3.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch is within the easement of the levee. Fall 2013

johngw_f_20131014_991.JPG



Levee Mile Report Line	5
Start Levee Mile	2.76
End Levee Mile	3.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at the agricultural ditch. Fall 2013

johngw_f_20131014_992.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