

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0001	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard Cache Creek	A	25.43						
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>								
Vegetation	0.15		0.15	0.59%	0.28			
Encroachments	0.07		0.07	0.28%	1.04			
<i>Supplemental</i>								
USACE Erosion Survey	0.21		0.21	0.83%				
DWR UCIP Field Study					0.03			
<i>LMA Totals:</i>	0.43	0.00	0.43	1.69%	1.35	0.00	0.00	0.00
Unit No. 01 North Levee LB	Overall Unit Rating	Total Unit Miles						
ST0001	A	11.69						
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>								
Vegetation	0.15		0.15	1.28%	0.18			
Encroachments	0.05		0.05	0.43%	0.24			
<i>Supplemental</i>								
USACE Erosion Survey	0.12		0.12	1.03%				
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.32	0.00	0.32	2.74%	0.44	0.00	0.00	0.00
Unit No. 02 South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0001	A	11.48						
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>Earthen Levee</i>								
Vegetation					0.10			
Encroachments	0.02		0.02	0.17%	0.80			
<i>Supplemental</i>								
USACE Erosion Survey	0.09		0.09	0.78%				
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.11	0.00	0.11	0.96%	0.91	0.00	0.00	0.00
Unit No. 04 East Training Levee of Cache Creek Settling Basin LB	Overall Unit Rating	Total Unit Miles						
ST0001	A	2.26						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

	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 2014 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

Waterway			Bank	Unit Miles
Unit No. 01 North Levee			Left	11.69
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/08/2014 - 04/08/2014		11/03/2014 - 11/03/2014	
DWR Inspector	John Williamson		Clay Thomas	
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:

- completion of the inspection
- any changes other than the results of normal maintenance
- 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_ST0001_01_s_2013_2				
Action/Comments					
Inspector Comments: The Sacramento Maintenance Yard has copies of the O&M Manuals, but they need to be updated by the USACE.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_ST0001_01_s _ 2013_5				
Action/Comments					
Inspector Comments: The Sacramento Maintenance Yard maintains a stockpile of flood fight materials.					

No Photos

LM Start		Rating **	A	Issue No.	21		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_ST0001_01_s_2013_21						
Action/Comments							
Inspector Comments: The Sacramento Maintenance Yard remain current on their emergency response training and practices.							

No Photos

* Location LS : Land Side N/A : Not Applicable 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	1.86	Rating **	M	Issue No.	3
LM End	1.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.729828 °	38.731143 °
				-121.806532 °	-121.806255 °
DWR ID	DWR_ST0001_01_s_2012_3				
Action/Comments					
Landscaping					

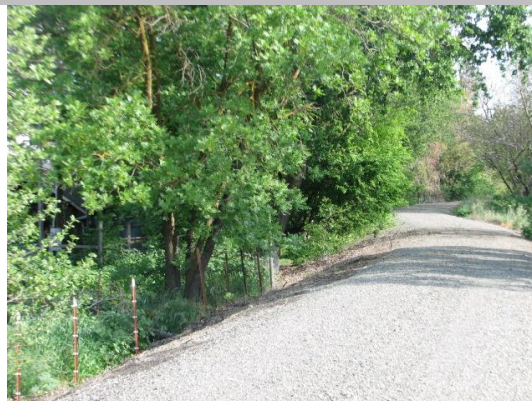
Photo 1 of 2 : FA_2014_ST0001_259_3_20141014_00004.jpg



The landscape vegetation needs to be trimmed for visibility of the levee slope. Fall 2011

LM Start	1.86	Rating **	M	Issue No.	3 (cont)
LM End	1.96	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2014_ST0001_259_3_20141014_00005.jpg



The landscape needs to be trimmed up. Spring 2014

LM Start	1.91	Rating **	M	Issue No.	4
LM End	1.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.730528 °	38.730528 °
				-121.806485 °	-121.806485 °
DWR ID	DWR_ST0001_01_s_2012_4				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_ST0001_259_4_20141014_00006.jpg



The building backs up to the landside levee toe of the levee.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sacramento Maintenance Yard Cache Creek

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	2.03	Rating **	M	Issue No.	10
LM End	2.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.732162 °	38.732162 °
				-121.805895 °	-121.805895 °
DWR ID	DWR_ST0001_01_s_2012_10				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_ST0001_259_10_20141014_00012.jpg



The house is in the easement of the levee toe. Fall 2011

LM Start	2.04	Rating **	M	Issue No.	11
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.732268 °	38.732268 °
				-121.805832 °	-121.805832 °
DWR ID	DWR_ST0001_01_s_2012_11				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_ST0001_259_11_20141014_00013.jpg



The building is in the easement of the levee. Fall 2011

LM Start	2.05	Rating **	C	Issue No.	29
LM End	2.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.732410 °	38.732410 °
				-121.805739 °	-121.805739 °
DWR ID	DWR_ST0001_01_s_2014_29				
Action/Comments					
Debris					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	2.06	Rating **	M	Issue No.	13
LM End	2.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.732537 °	38.732537 °
				-121.805708 °	-121.805708 °
DWR ID	DWR_ST0001_01_s_ 2012_13				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_ST0001_259_13_20141014_00015.jpg



The building is in the easement of the levee. Fall 2011

LM Start	2.08	Rating **	M	Issue No.	568
LM End	2.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.732665 °	38.732665 °
				-121.805604 °	-121.805604 °
DWR ID	DWR_ST0001_01_f_ 2014_568				
Action/Comments					
Inspector Comments: FS_ID:33763					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: A pump house located LS across the road. A debris is blocking the outlet channel of the pipe. It needs to be removed (an abandoned sofa). removed debris summer of 2013					
FIELD_STRUCT_DESC: Pipe through the levee, screw gate on waterward slope. One of two pipes (30" diameter and 10" diameter) of a storm drainage system. A gate riser structure approximately 4 ft waterward of the waterside levee shoulder. A flap gate on the pipeline at the discharge structure.					
FS Date: 4/17/2014 3:02:49 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable 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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Sacramento Maintenance Yard Cache Creek

Sacramento Maintenance Yard Cache Creek

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	2.65	Rating **	M	Issue No.	19 (cont)
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733080 °	38.733492 °
				-121.796013 °	-121.795293 °
DWR ID	DWR_ST0001_01_s_2012_19				
Action/Comments					
Equipment					

Photo 2 of 2 : FA_2014_ST0001_259_19_20141014_00021.jpg



Equipment and parts stacked along the levee toe and slope. Spring 2014

LM Start	2.66	Rating **	M	Issue No.	20
LM End	2.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733132 °	38.733132 °
				-121.795890 °	-121.795890 °
DWR ID	DWR_ST0001_01_s_2012_20				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_ST0001_259_20_20141014_00022.jpg



The corner of the shop is within the easement of the levee. Fall 2011

LM Start	2.79	Rating **	M	Issue No.	30
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.734067 °	38.734171 °
				-121.793713 °	-121.792992 °
DWR ID	DWR_ST0001_01_f_2014_30				
Action/Comments					
Inspector Comments: 2006 - Large new failure. 2008 - Plans for repair currently in the design phase. 2010 - Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2013: No observed changes. [2013 Site ID: CHC_2-8_L]					

Photo 1 of 1 : FA_2014_ST0001_259_30_20141014_00028.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable 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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Sacramento Maintenance Yard Cache Creek

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

Photo 1 of 1 : FA_2014_ST0001_259_18_20141014_00019.jpg



USACE 2013 Photo #1

Photo 1 of 1 : FA_2014_ST0001_259_27_20141014_00025.jpg



Landscape trees are planted along the levee to and on the slope. Some of the trees are trimmed up for visibility. Fall 2011

Photo 1 of 2 : FA_2014_ST0001_259_55_20141014_00042.jpg



The pruning pile is at the toe of the levee. Fall 2013

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

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

Photo 2 of 2 : FA_2014_ST0001_259_55_20141014_00043.jpg



A photograph showing a large, messy pile of cut branches and debris, likely from trees or shrubs, situated at the base (toe) of a levee. The pile is composed of many thin, brown, dried branches and some larger, thicker logs. The pile is situated on a grassy area next to a gravel path or road. In the background, there are several evergreen trees, a utility pole, and a yellow building. The sky is clear and blue.

A pruning pile at the toe of the levee. Spring 2014

No Photos

Photo 1 of 1 : FA 2014_ST0001_259_24_20141014_00023.jpg



Aluminum irrigation pipe is placed along the landside levee toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	4.80	Rating **	M	Issue No.	32
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.722384 °	38.722384 °
				-121.766882 °	-121.766882 °
DWR ID	DWR_ST0001_01_s_2013_32				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_ST0001_259_32_20141014_00030.jpg



Prunings and root balls at the toe of the levee. Spring 2013

LM Start	5.65	Rating **	C	Issue No.	56
LM End	5.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724102 °	38.724102 °
				-121.756090 °	-121.756090 °
DWR ID	DWR_ST0001_01_f_2013_56				
Action/Comments					
Prunings					

No Photos

LM Start	6.31	Rating **	C	Issue No.	31
LM End	6.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728084 °	38.728084 °
				-121.746597 °	-121.746597 °
DWR ID	DWR_ST0001_01_s_2012_31				
Action/Comments					
Tank					
Inspector Comments: Filter tanks, concrete slab, fertilizer tanks, and pipe through levee. No permit for pipe.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	6.94	Rating **	A	Issue No.	570
LM End	7.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_ST0001_01_f_2014_570				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_ST0001_259_570_20141106_00833.jpg



Levee mile 7.14, agricultural ditch has been removed. Fall 2014.

LM Start	6.94	Rating **	C	Issue No.	37
LM End	7.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728067 °	38.727508 °
				-121.735348 °	-121.730153 °
DWR ID	DWR_ST0001_01_s_2012_37				
Action/Comments					
Ditch					

No Photos

LM Start	7.29	Rating **	M	Issue No.	41
LM End	7.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727747 °	38.727747 °
				-121.729290 °	-121.729290 °
DWR ID	DWR_ST0001_01_s_2013_41				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2014_ST0001_259_41_20141014_00036.jpg



A pruning pile is at the toe of the levee. Fall 2013

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

Photo 2 of 2 : FA_2014_ST0001_259_41_20141014_00037.jpg

A photograph showing a pile of debris, including a green tarp and a white container, on a gravelly ground next to a dirt road. In the background, there are trees and a building.

Photo 1 of 1 : FA_2014_ST0001_259_40_20141014_00035.jpg

A photograph of a lumber yard or construction site. In the foreground, there are stacks of long, dark wooden planks or beams. To the right, a large pile of cut logs or branches is visible. The background shows a grassy field, trees, and a clear blue sky. A utility pole stands near the center.

Photo 1 of 1 : FA_2014_ST0001_259_39_20141014_00034.jpg

A photograph showing a large, dark, rectangular object, possibly a vehicle or container, partially obscured by dense green foliage and trees. The object is situated on a dirt path or road. The background shows more trees and a bright sky.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	11/03/2014 11/03/2014	Clay Thomas

LM Start	10.85	Rating **	M	Issue No.	569
LM End	10.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.701814 °	38.701814 °
				-121.690832 °	-121.690832 °
DWR ID	DWR_ST0001_01_f_2014_569				
Action/Comments					
Inspector Comments: FS_ID:33284					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe leaks, severe erosion from levee shoulder to pipe daylight on landside levee slope, summer of 2013 repaired erosion pipe needs repaired.					
FIELD_STRUCT_DESC: A 18-inch soil proofed Steel Pipe 0.25" thick.					
FS Date: 4/10/2014 1:48:25 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 2014 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

Waterway			Bank	Unit Miles
Unit No. 02 South Levee			Right	11.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/10/2014 - 04/10/2014		11/03/2014 - 11/03/2014	
DWR Inspector	John Williamson		Clay Thomas	
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:

- completion of the inspection
- any changes other than the results of normal maintenance
- 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	11/03/2014 11/03/2014	Clay Thomas

LM Start	0.26	Rating **	M	Issue No.	17
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.730715 °	38.730715 °
				-121.804958 °	-121.804958 °
DWR ID	DWR_ST0001_02_f_2013_17				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2014_ST0001_260_17_20141014_00013.jpg



A pruning pile is within the easement of the levee. Fall 2013

LM Start	0.26	Rating **	M	Issue No.	17 (cont)
LM End	0.26	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2014_ST0001_260_17_20141014_00014.jpg



A pruning pile is at the toe of the levee. Spring 2014

LM Start	0.26	Rating **	N	Issue No.	6
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.730723 °	38.730723 °
				-121.804972 °	-121.804972 °
DWR ID	DWR_ST0001_02_s_2014_6				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2014_ST0001_260_6_20141014_00004.jpg



A large black walnut tree stump is at the toe of the levee. Spring 2014

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	11/03/2014 11/03/2014	Clay Thomas

LM Start	0.68	Rating **	M	Issue No.	1
LM End	0.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.732229 °	38.732229 °
				-121.798922 °	-121.798922 °
DWR ID	DWR_ST0001_02_s_ 2012_1				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2014_ST0001_260_1_20141014_00001.jpg



Tree stakes and pruning's are at the toe of the levee. Fall 2013

LM Start	1.05	Rating **	M	Issue No.	434
LM End	1.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				38.728650
					-121.784523
DWR ID	DWR_ST0001_02_f_ 2014_434				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_ST0001_260_434_20141106_00614.jpg



Levee mile 1.80, pruning piles at water side toe. Fall 2014.

LM Start	1.64	Rating **	M	Issue No.	12
LM End	1.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.730624 °	38.730624 °
				-121.786050 °	-121.786050 °
DWR ID	DWR_ST0001_02_f_ 2012_12				
Action/Comments					
Prunings					

Photo 1 of 3 : FA_2014_ST0001_260_12_20141014_00008.jpg



The pruning pile at the toe continues to grow. Spring 2013

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sacramento Maintenance Yard Cache Creek

Sacramento Maintenance Yard Cache Creek

Levee mile 3.28, landscaping and pruning pile. Fall 2014.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	11/03/2014 11/03/2014	Clay Thomas

LM Start	3.42	Rating **	M	Issue No.	433
LM End	3.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.721348 °	38.721348 °
				-121.759503 °	-121.759503 °
DWR ID	DWR_ST0001_02_f_2014_433				
Action/Comments					
Inspector Comments: FS_ID:33306					
EP_NO: 10223					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 18-inch steel pipe in 36-inch concrete pipe distribution box on LS. 18-inch steel riser on WS. An abandoned foundation of a pump house on waterside of the levee.					
FIELD_STRUCT_DESC: 24-inch CMP through levee 6.0 feet below crown. Pump house foundation on waterward slope. Slide gate in riser on waterward shoulder. (ABO No. 10223 - Lawley)					
FS Date: 4/10/2014 2:05:43 PM					

Photo 1 of 1 : FA_2014_ST0001_260_433_20141106_00616.jpg



Levee mile 3.42, pipe has been removed. Fall 2014.

LM Start	3.48	Rating **	M	Issue No.	13
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.722138 °	38.723294 °
				-121.759736 °	-121.759588 °
DWR ID	DWR_ST0001_02_f_2014_13				
Action/Comments					
Inspector Comments: 2010 - Large slump on the upper berm, a tree has recently slid down the slope. 2011 - Large slump and new erosion. 2012 - Slightly steeper slopes and cracks observed. 2013: No observed changes. [2013 Site ID: CHC_3-5_R]					

Photo 1 of 1 : FA_2014_ST0001_260_13_20141014_00011.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable 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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Sacramento Maintenance Yard Cache Creek

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	11/03/2014 11/03/2014	Clay Thomas

LM Start	4.03	Rating **	M	Issue No.	26
LM End	4.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724200 °	38.724200 °
				-121.752272 °	-121.752272 °
DWR ID	DWR_ST0001_02_f_ 2013_26				
Action/Comments					
Equipment					

A photograph showing several vintage tractors and agricultural machines, including a prominent red tractor in the foreground, parked under the shade of large trees in a grassy field.

LM Start	4.04	Rating **	M	Issue No.	9					
LM End	4.13	Issue Type +	En	Location *	LS					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Vegetation			38.724317 °	38.725242 °					
				-121.752148 °	-121.751075 °					
DWR ID	DWR_ST0001_02_s _ 2012_9									
Action/Comments										
Landscaping										

A gravel driveway leads towards a modern, two-story house with large windows and a dark roof. The property is surrounded by lush greenery, including a large palm tree on the left and various shrubs and trees on the right. The scene is bright and sunny, with shadows cast across the gravel path.

LM Start	4.43	Rating **	M	Issue No.	27					
LM End	4.43	Issue Type +	En	Location *	WS					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Encroachments			38.727032 °	38.727032 °					
				-121.746070 °	-121.746070 °					
DWR ID	DWR_ST0001_02_f _ 2013_27									
Action/Comments										
Building										

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

Waterway			Bank	Unit Miles
Unit No. 04 East Training Levee of Cache Creek Settling Basin			Left	2.26
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/08/2014 - 04/08/2014		11/03/2014 - 11/03/2014	
DWR Inspector	John Williamson		Clay Thomas	
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:

- completion of the inspection
- any changes other than the results of normal maintenance
- 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 2014

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 East Training Levee of Cache Creek Settling Basin	Left	2.26	11/03/2014 11/03/2014	Clay Thomas

LM Start	0.00	Rating **	A	Issue No.	50
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_ST0001_04_f_2014_50				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_ST0001_261_50_20141106_00094.jpg



Levee mile 0.17, vegetation controlled on levee slopes and crown. Fall 2014.

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