

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 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	0.26		0.26	1.02%	0.29			
Encroachments	0.01		0.01	0.04%	2.00			
Animal Control	0.02		0.02	0.08%				
Slope Stability	0.01		0.01	0.04%				
Erosion / Bank Caving	0.02		0.02	0.08%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.28%				
DWR UCIP Field Study					0.07			
<i>LMA Totals:</i>	0.39	0.00	0.39	1.53%	2.36	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	0.26		0.26	2.22%	0.20			
Encroachments					1.41			
Animal Control	0.02		0.02	0.17%				
Slope Stability	0.01		0.01	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
<i>Unit Totals:</i>	0.29	0.00	0.29	2.48%	1.68	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					0.09			
Encroachments	0.01		0.01	0.09%	0.59			
Erosion / Bank Caving	0.02		0.02	0.17%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.61%				
<i>Unit Totals:</i>	0.10	0.00	0.10	0.87%	0.68	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 2016 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 2016 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	3/29/2016 - 3/29/2016		10/20/2016 - 10/20/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
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.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

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				
Comment Code					
Inspector Comment					
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				
Comment Code					
Inspector Comment					
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				
Comment Code					
Inspector Comment					
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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	0.03	Rating **	M	Issue No.	48
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.715268 °	38.716647 °
				-121.825345 °	-121.823667 °
DWR ID	DWR_ST0001_01_s_2015_48				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is located at the levee toe.					

Photo 1 of 1 : FA_2016_ST0001_259_48_20160913_00038.jpg



View of the ditch on the landward side of the levee looking upstream.
Fall 2015.

LM Start	0.93	Rating **	M	Issue No.	47
LM End	1.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.719222 °	38.720183 °
				-121.815130 °	-121.813995 °
DWR ID	DWR_ST0001_01_s_2015_47				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is located at the toe levee.					

Photo 1 of 1 : FA_2016_ST0001_259_47_20160913_00037.jpg



View of the ditch on the landward side of the levee looking upstream.
Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	1.37	Rating **	M	Issue No.	75
LM End	1.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.722669 °	38.722669 °
				-121.808792 °	-121.808792 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50432 DS_ID:16270 EP_NO: 6790 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need additional signs on LS of levee. FIELD_STRUCT_DESC: 6-inch gas line through the levee at an unknown elevation and under channel. Gasline marker on WS slope (Permit No. 6790 - PG&E) FS Date: 6/16/2016 6:58:00 AM					

Photo 1 of 2 : UCIP_FA_2016_50432_60162.jpg



Waterside view: gasline marker

LM Start	1.37	Rating **	M	Issue No.	75 (cont)
LM End	1.37	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_50432_60161.jpg



Waterside view: closer look at gasline marker

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	1.77	Rating **	M	Issue No.	64
LM End	1.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728214 °	38.728214 °
				-121.806906 °	-121.806906 °
DWR ID	DWR_ST0001_01_f_2016_64				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_64_20161025_00080.jpg



Prunings on LS slope. Fall 2016.

LM Start	1.77	Rating **	M	Issue No.	63
LM End	1.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728217 °	38.729944 °
				-121.806903 °	-121.806506 °
DWR ID	DWR_ST0001_01_f_2016_63				
Comment Code					
FE : Fence					
Inspector Comment					

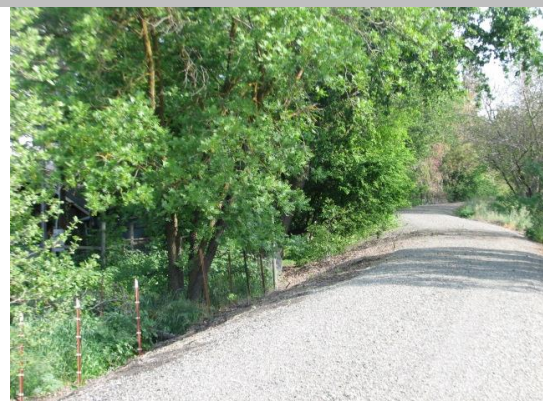
Photo 1 of 1 : FA_2016_ST0001_259_63_20161025_00079.jpg



View of fence on LS slope. Fall 2016.

LM Start	1.89	Rating **	M	Issue No.	3
LM End	1.98	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				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0001_259_3_20160913_00002.jpg



The landscape needs to be trimmed up. Spring 2014

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	1.89	Rating **	M	Issue No.	3 (cont)	
LM End	1.98	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					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 2 : FA_2016_ST0001_259_3_20160913_00003.jpg



View of the landscaping that needs to be trimmed on the landward side of the levee looking downstream. Fall 2015.

LM Start	1.94	Rating **	M	Issue No.	4
LM End	1.94	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				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_4_20160913_00004.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 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

View of the cactus landscaping on the waterward side of the levee looking downstream. Fall 2015.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	1.98	Rating **	M	Issue No.	7
LM End	2.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.731198 °	38.731650 °
				-121.806230 °	-121.806068 °
DWR ID	DWR_ST0001_01_s_2012_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0001_259_7_20160913_00006.jpg



Wild grape and other plants are obstructing the view for inspection. Fall 2011

LM Start	1.98	Rating **	M	Issue No.	7 (cont)
LM End	2.02	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_ST0001_259_7_20160913_00007.jpg



View of the landscaping on the landward side of the levee looking downstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.01	Rating **	M	Issue No.	8
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.731507 °	38.731507 °
				-121.806122 °	-121.806122 °
DWR ID	DWR_ST0001_01_s _ 2012_8				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_8_20160913_00008.jpg



View of the building on the landward side of the levee looking upstream.
Cactus planted at the toe obstructs visibility. Fall 2015.

LM Start	2.04	Rating **	M	Issue No.	9
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.731927 °	38.731927 °
				-121.805973 °	-121.805973 °
DWR ID	DWR_ST0001_01_s_2012_9				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_9_20160913_00009.jpg



View of the house in the town of Yolo on the landward side of the levee looking downstream. Fall 2015.

* 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

View of the building on the landward side of the levee looking downstream. Fall 2015.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.08	Rating **	M	Issue No.	13
LM End	2.08	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				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_13_20160913_00013.jpg



View of the building on the landward side of the levee looking upstream.
Fall 2015.

LM Start	2.12	Rating **	M	Issue No.	12
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733000 °	38.733000 °
				-121.805409 °	-121.805409 °
DWR ID	DWR_ST0001_01_s_2012_12				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_12_20160913_00012.jpg



View of the building on the landward side of the levee looking downstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.12	Rating **	M	Issue No.	14
LM End	2.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.733117 °	38.733218 °
				-121.805367 °	-121.805263 °
DWR ID	DWR_ST0001_01_s_2012_14				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0001_259_14_20160913_00014.jpg



View of the shrubs on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.12	Rating **	M	Issue No.	14 (cont)
LM End	2.13	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_ST0001_259_14_20161025_00078.jpg



Another view of the shrubs. Fall 2016.

LM Start	2.13	Rating **	M	Issue No.	15
LM End	2.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733215 °	38.733350 °
				-121.805262 °	-121.805082 °
DWR ID	DWR_ST0001_01_s_2012_15				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_15_20160913_00015.jpg



View of the fence on the landward side of the levee looking upstream. Fall 2015.

*** 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.17	Rating **	M	Issue No.	16
LM End	2.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733555 °	38.733555 °
				-121.804737 °	-121.804737 °
DWR ID	DWR_ST0001_01_s_2012_16				
Comment Code					
BU : Building					
Inspector Comment					

LM Start	2.17	Rating **	M	Issue No.	16 (cont)
LM End	2.17	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA_2016_ST0001_259_16_20160913_00016.jpg



Horse barn and corral are within the easement of the levee.

Photo 2 of 2 : FA_2016_ST0001_259_16_20160913_00017.jpg



View of the horse barn on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.26	Rating **	M	Issue No.	60
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.733662 °	38.733555 °
				-121.803069 °	-121.801711 °
DWR ID	DWR_ST0001_01_f_2016_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_60_20161025_00077.jpg



View of vegetation on LS slope. Fall 2016.

*** 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
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Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.26	Rating **	M	Issue No.	72
LM End	2.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.733675 °	38.733675 °
				-121.803009 °	-121.803009 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49099					
DS_ID:16268					
EP_NO: 2415					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: May need to install gasoline marker on WS slope.					
FIELD_STRUCT_DESC: 20-inch gas line through the levee 4.0 feet below the crown. Two cutoff walls. Gasline indicator found on landside of the levee (Permit No. 2415 - PG&E)					
FS Date: 6/16/2016 7:00:04 AM					

LM Start	2.26	Rating **	M	Issue No.	72 (cont)
LM End	2.26	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_49099_60164.jpg



Waterside view: no indicators found

Photo 2 of 2 : UCIP_FA_2016_49099_60163.jpg



Landside view: gasoline indicator

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.57	Rating **	A/W	Issue No.	17
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.732836 °	38.732685 °
				-121.797893 °	-121.797154 °
DWR ID	DWR_ST0001_01_s_2016_17				
Comment Code					
Inspector Comment					
Site identified as CRITICAL in 2002. 2006 - Currently constructing a setback levee. New failures present and extensive. Downstream end of the setback levee did not extend far enough. Upstream end was repaired. 2007 - DWR repaired with a setback levee, but the levee did not go far enough downstream. 2012 - New cracks observed. 2013 - Fresh erosion on upper bank. 2015: No observed changes. [2015 Site ID: CHC 2-4 L]					

Photo 1 of 1 : FA_2016_ST0001_259_17_20160913_00018.jpg



USACE 2013 Photo #1

LM Start	2.62	Rating **	C	Issue No.	65
LM End	2.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.732808 °	38.732808 °
				-121.796988 °	-121.796988 °
DWR ID	DWR_ST0001_01_f_2015_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.67	Rating **	M	Issue No.	71
LM End	2.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733075 °	38.733594 °
				-121.796039 °	-121.795131 °
DWR ID	DWR_ST0001_01_s _ 2016_71				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_71_20160913_00047.jpg



View of the equipment on the landward side of the levee looking upstream. Spring 2016.

LM Start	2.69	Rating **	M	Issue No.	20
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733145 °	38.733145 °
				-121.795845 °	-121.795845 °
DWR ID	DWR_ST0001_01_s_2012_20				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0001_259_20_20160913_00022.jpg



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

LM Start	2.69	Rating **	M	Issue No.	20 (cont)
LM End	2.69	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_ST0001_259_20_20160913_00023.jpg



View of the building on the landward side of the levee looking upstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	2.82	Rating **	A/W	Issue No.	38
LM End	2.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.734067 °	38.734171 °
				-121.793713 °	-121.792992 °
DWR ID	DWR_ST0001_01_s_2016_38				
Comment Code					
Inspector Comment					
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. 2015: No observed changes. [2015 Site ID: CHC_2-8_L]					

Photo 1 of 1 : FA_2016_ST0001_259_38_20160913_00032.jpg



USACE 2013 Photo #1

LM Start	2.82	Rating **	M	Issue No.	70
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.734450 °	38.734450 °
				-121.793793 °	-121.793793 °
DWR ID	DWR_ST0001_01_s_2016_70				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_70_20160913_00046.jpg



View of the pruning pile on the landward side of the levee looking upstream. Spring 2016.

LM Start	3.02	Rating **	M	Issue No.	56
LM End	3.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.734392 °	38.734392 °
				-121.790129 °	-121.790129 °
DWR ID	DWR_ST0001_01_f_2016_56				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_56_20161025_00076.jpg



Prunings on LS slope. Fall 2016.

*** 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	3.48	Rating **	A/W	Issue No.	1
LM End	3.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.732942 °	38.731626 °
				-121.784965 °	-121.785231 °
DWR ID	DWR_ST0001_01_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Some significant new erosion, especially fresh upper bank slumping. Still substantial berm. 2010 - Site extended downstream, some new erosion, heavily vegetated and hard to see. Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2015: No observed changes. [2015 Site ID: CHC 3-4 L]					

Photo 1 of 1 : FA_2016_ST0001_259_1_20160913_00001.jpg



USACE 2013 Photo #1

LM Start	3.60	Rating **	M	Issue No.	62
LM End	3.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.731134 °	38.731134 °
				-121.785010 °	-121.785010 °
DWR ID	DWR_ST0001_01_f_2015_62				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_62_20160913_00045.jpg



View of pipes on the landward side of the levee looking upstream. Fall 2015.

*** 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	3.85	Rating **	M	Issue No.	53
LM End	3.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728712 °	38.728712 °
				-121.782011 °	-121.782011 °
DWR ID	DWR_ST0001_01_f_2016_53				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_53_20161025_00075.jpg



View of prunings on LS slope. Fall 2016.

LM Start	4.28	Rating **	M	Issue No.	27
LM End	4.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727047 °	38.726113 °
				-121.774413 °	-121.771929 °
DWR ID	DWR_ST0001_01_s_2012_27				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_27_20160913_00027.jpg




View of the landscape trees on the landward side of the levee looking upstream. Fall 2015.

* 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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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

Photo 1 of 1 : FA_2016_ST0001_259_55_20160913_00042.jpg



10/06/2015

View of the pruning pile on the landward side of the levee looking upstream. Fall 2015.

Photo 1 of 1 : FA_00001_259_52_20161025_00074.jpg



A photograph showing a fence line on a grassy slope, partially obscured by large trees. The ground is covered with dry leaves and shadows from the trees. A date stamp "10/20/2016" is visible in the bottom right corner of the image.

Fence on landside slope. Fall 2016.

Photo 1 of 1 : FA_2016_ST0001_259_51_20161025_00073.jpg



10/20/2016

View of prunings on LS slope. Fall 2016.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	4.78	Rating **	M	Issue No.	24
LM End	4.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.722590 °	38.722590 °
				-121.767294 °	-121.767294 °
DWR ID	DWR_ST0001_01_s_2012_24				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_24_20160913_00024.jpg



View of the aluminum irrigation pipe along the levee toe of the landward side looking upstream. Fall 2015.

LM Start	4.98	Rating **	M	Issue No.	73
LM End	4.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.721038 °	38.721038 °
				-121.764180 °	-121.764180 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49111 DS_ID:16265 EP_NO: 7232 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need marker on WS. FIELD_STRUCT_DESC: Submarine Communication cable through the levee 2.5-feet below the crown. Communication marker located on eastside of highway 113 on LS toe. (Permit No. 7232 - PT&T). FS Date: 6/16/2016 7:08:33 AM					

Photo 1 of 2 : UCIP_FA_2016_49111_73501.jpg



Sign on LS toe.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	4.98	Rating **	M	Issue No.	73 (cont)
LM End	4.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.721038 °	38.721038 °
				-121.764180 °	-121.764180 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49111 DS_ID:16265 EP_NO: 7232 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need marker on WS. FIELD_STRUCT_DESC: Submarine Communication cable through the levee 2.5-feet below the crown. Communication marker located on eastside of highway 113 on LS toe. (Permit No. 7232 - PT&T). FS Date: 6/16/2016 7:08:33 AM					

Photo 2 of 2 : UCIP_FA_2016_49111_73500.jpg



Sign on LS toe.

LM Start	4.99	Rating **	M	Issue No.	74
LM End	4.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.721025 °	38.721025 °
				-121.764147 °	-121.764147 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49112					
DS_ID:16756					
EP_NO: 3089					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Signage in disrepair and need signs at Levee. Need to contact owner to determine status of crossing and install new signs if appropriate to do so.					
FIELD_STRUCT_DESC: 4-inch steel gas line through the levee 4-feet below the crown.Gasline marker located 500-feet north of levee crossing at levee access road/gate. Pipe alignment to east of bridge (Permit No. 3089, 1959).					
FS Date: 6/16/2016 7:09:02 AM					

Photo 1 of 2 : UCIP_FA_2016_49112_73504.jpg



Gasline marker next to levee access gate 500-feet north of levee crown.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	4.99	Rating **	M	Issue No.	74 (cont)	
LM End	4.99	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.721025 °		38.721025 °
				-121.764147 °		-121.764147 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:49112						
DS_ID:16756						
EP_NO: 3089						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Signage in disrepair and need signs at Levee. Need to contact owner to determine status of crossing and install new signs if appropriate to do so.						
FIELD_STRUCT_DESC: 4-inch steel gas line through the levee 4-feet below the crown.Gasline marker located 500-feet north of levee crossing at levee access road/gate. Pipe alignment to east of bridge (Permit No. 3089, 1959).						
FS Date: 6/16/2016 7:09:02 AM						

Photo 2 of 2 : UCIP_FA_2016_49112_73503.jpg



Gasline marker at Best Ranch Road, 1500-feet south of levee crossing.

LM Start	5.17	Rating **	C	Issue No.	61
LM End	5.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.720705 °	38.720705 °
				-121.761009 °	-121.761009 °
DWR ID	DWR_ST0001_01_f_2015_61				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	5.67	Rating **	M	Issue No.	59
LM End	5.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.723839 °	38.723839 °
				-121.755823 °	-121.755823 °
DWR ID	DWR_ST0001_01_f_2015_59				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_59_20160913_00044.jpg



View of the beehives on the landward side of the levee looking upstream. Fall 2015.

LM Start	5.74	Rating **	M	Issue No.	45
LM End	5.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.723735 °	38.723735 °
				-121.754588 °	-121.754588 °
DWR ID	DWR_ST0001_01_s_2016_45				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_45_20161025_00072.jpg



View of prunings on landside slope. Fall 2016.

LM Start	6.26	Rating **	C	Issue No.	58
LM End	6.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.727955 °	38.727955 °
				-121.747124 °	-121.747124 °
DWR ID	DWR_ST0001_01_f_2015_58				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	7.25	Rating **	M	Issue No.	57
LM End	7.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727705 °	38.727705 °
				-121.729462 °	-121.729462 °
DWR ID	DWR_ST0001_01_f_2015_57				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_57_20160913_00043.jpg



View of the cactus on the landward side of the levee looking upstream. Fall 2015.

LM Start	7.30	Rating **	M	Issue No.	40
LM End	7.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727878 °	38.728085 °
				-121.728553 °	-121.727740 °
DWR ID	DWR_ST0001_01_s_2012_40				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0001_259_40_20160913_00034.jpg



Irrigation pipe and equipment are within the easement of the levee.

LM Start	7.30	Rating **	M	Issue No.	40 (cont)
LM End	7.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_ST0001_259_40_20160913_00035.jpg



View of the equipment at the levee toe on the landward side looking downstream. Fall 2015.

*** 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	7.30	Rating **	M	Issue No.	39
LM End	7.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727870 °	38.727870 °
				-121.728527 °	-121.728527 °
DWR ID	DWR_ST0001_01_s_2012_39				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_39_20160913_00033.jpg



The barn and livestock pens are within the easement of the levee.

LM Start	7.36	Rating **	M	Issue No.	26
LM End	7.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728188 °	38.728212 °
				-121.727442 °	-121.720304 °
DWR ID	DWR_ST0001_01_s_2015_26				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is located at the levee toe.					

Photo 1 of 2 : FA_2016_ST0001_259_26_20160913_00025.jpg



View of ditch on the landward side of the levee looking upstream. Spring 2015.

LM Start	7.36	Rating **	M	Issue No.	26 (cont)
LM End	7.78	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_ST0001_259_26_20160913_00026.jpg



View of the ditch on the landward side of the levee looking upstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	7.60	Rating **	C	Issue No.	54
LM End	7.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.729218 °	38.729218 °
				-121.723325 °	-121.723325 °
DWR ID	DWR_ST0001_01_f_2015_54				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	7.69	Rating **	M	Issue No.	29
LM End	7.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.729027 °	38.729027 °
				-121.721683 °	-121.721683 °
DWR ID	DWR_ST0001_01_s_2015_29				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_29_20161025_00069.jpg



View of an elderberry tree on waterward side. Fall 2016.

LM Start	7.86	Rating **	M	Issue No.	41
LM End	7.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727543 °	38.727341 °
				-121.719083 °	-121.718676 °
DWR ID	DWR_ST0001_01_f_2016_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_41_20161025_00068.jpg



Vegetation on LS slope. Fall 2016.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	7.89	Rating **	M	Issue No.	76
LM End	7.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.727333 °	38.727333 °
				-121.718558 °	-121.718558 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50811					
DS_ID:16264					
EP_NO: 12983					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Gasline markers in disrepair and should be replaced.					
Gasline indicator found on waterside of the levee.					
FIELD_STRUCT_DESC: 6-inch diameter gas pipeline through the levee					
(App. No. 12983 - Shell Oil Co.). To install a 4-inch and 6-inch gas					
pipeline crossing Cache Creek, Cache Creek levees, and the Cache					
Creek Settling Basin.					
FS Date: 11/21/2016 7:56:33 AM					

Photo 1 of 2 : UCIP_FA_2016_50811_60197.jpg



Waterside view: gasline indicator

LM Start	7.89	Rating **	M	Issue No.	76 (cont)
LM End	7.89	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_50811_60196.jpg



Landside view: no indicator found.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	7.95	Rating **	M	Issue No.	50
LM End	7.95	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727271 °	38.727271 °
				-121.717595 °	-121.717595 °
DWR ID	DWR_ST0001_01_f_2015_50				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_50_20160913_00040.jpg



View of the beehives on the waterward side of the levee looking upstream. Fall 2015.

LM Start	8.38	Rating **	C	Issue No.	46
LM End	8.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726502 °	38.726502 °
				-121.709818 °	-121.709818 °
DWR ID	DWR_ST0001_01_f_2015_46				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	8.59	Rating **	M	Issue No.	34
LM End	8.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.726212 °	38.726212 °
				-121.705828 °	-121.705828 °
DWR ID	DWR_ST0001_01_f_2016_34				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_259_34_20161025_00067.jpg



Rodent holes on landside slope of the levee. Fall 2016.

* 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

No Photos

No Photos

Rodent burrows on waterside slope of the levee. Fall 2016.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	10.40	Rating **	M	Issue No.	77
LM End	10.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.705051 °	38.705051 °
				-121.695577 °	-121.695577 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50812 DS_ID:17115 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/19/16 w/s capped l/s capped FIELD_STRUCT_DESC: 18-inch soil-proofed 0.25-inch-thick steel irrigation pipe through the levee, 4 feet below the crown. Pipe used for seasonal irrigation. Pipe opening capped on both ends. As-built dwg. North 68+00 FS Date: 11/21/2016 7:56:56 AM					

LM Start	10.40	Rating **	M	Issue No.	77 (cont)
LM End	10.40	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50812_60219.jpg



Crown view: overview

Photo 2 of 2 : UCIP_FA_2016_50812_60223.jpg



Waterside view: closer look at capped pipe.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	10.75	Rating **	M	Issue No.	78
LM End	10.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.701814 °	38.701814 °
				-121.690832 °	-121.690832 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50813
DS_ID:17119
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/3/2016: Per Ted Skidgel, new cap and gasket installed by farmer on LS vent, and siphon breaker/vent installed on WS. No permit was found for this work. Siphon breaker on WS needs cover. Repair Priority changed from No Action Needed to Non-Urgent. (K. Fazel - UCIP)08/16/2016: Repaired erosion L/S 8/16 pipe repaired by farmer prior to erosion. (T. Skidgel - ST0001). (Note: crossing was downgraded from Urgent to No Action Needed)06/28/2016: Erosion still present off LS shoulder, caused by leaking vent. Erosion to be repaired and backfilled this summer by Sac Yard. Pipe leaking at LS toe into ditch (not affecting levee prism) (K. Fazel - UCIP).2013-2016: Pipe leaks, severe erosion from levee shoulder to pipe daylight on landside levee slope, summer of 2013 repaired erosion, pipe needs repaired. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 18-inch soil-proofed steel irrigation pipe, 2 feet below the crown. Pipe thickness is 0.25-inch. Capped vent on the apex of the pipe off the landside (LS) shoulder. Booster pump is located off the LS toe at the LS toe ditch. Another groundwater pump is located a further distance off LS toe; pumped groundwater is conveyed to the toe ditch and a booster pump pumps water through levee and into a waterside (WS) (Settling Basin side) ditch. Distribution box off WS toe at WS toe ditch. Could not locate a positive closure device. [Additional Reference(s): USACE As-Constructed Drawing North, Station 49+50].
FS Date: 11/3/2016 7:26:00 AM

Photo 1 of 2 : UCIP_FA_2016_50813_60148.jpg



Waterside view: pipe in the ditch

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	10.75	Rating **	M	Issue No.	78 (cont)
LM End	10.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.701814 °	38.701814 °
				-121.690832 °	-121.690832 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50813
DS_ID:17119
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/3/2016: Per Ted Skidgel, new cap and gasket installed by farmer on LS vent, and siphon breaker/vent installed on WS. No permit was found for this work. Siphon breaker on WS needs cover. Repair Priority changed from No Action Needed to Non-Urgent. (K. Fazel - UCIP)08/16/2016: Repaired erosion L/S 8/16 pipe repaired by farmer prior to erosion. (T. Skidgel - ST0001). (Note: crossing was downgraded from Urgent to No Action Needed)06/28/2016: Erosion still present off LS shoulder, caused by leaking vent. Erosion to be repaired and backfilled this summer by Sac Yard. Pipe leaking at LS toe into ditch (not affecting levee prism) (K. Fazel - UCIP).2013-2016: Pipe leaks, severe erosion from levee shoulder to pipe daylight on landside levee slope, summer of 2013 repaired erosion, pipe needs repaired. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 18-inch soil-proofed steel irrigation pipe, 2 feet below the crown. Pipe thickness is 0.25-inch. Capped vent on the apex of the pipe off the landside (LS) shoulder. Booster pump is located off the LS toe at the LS toe ditch. Another groundwater pump is located a further distance off LS toe; pumped groundwater is conveyed to the toe ditch and a booster pump pumps water through levee and into a waterside (WS) (Settling Basin side) ditch. Distribution box off WS toe at WS toe ditch. Could not locate a positive closure device. [Additional Reference(s): USACE As-Constructed Drawing North, Station 49+50].
FS Date: 11/3/2016 7:26:00 AM

Photo 2 of 2 : UCIP_FA_2016_50813_60147.jpg



Landside view: pipe daylight on LS levee slope

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 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	3/29/2016 - 3/29/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
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.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	0.18	Rating **	N	Issue No.	10
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.729560 °	38.729560 °
				-121.805231 °	-121.805231 °
DWR ID	DWR_ST0001_02_f_2015_10				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
The stump is located at the levee toe.					

Photo 1 of 1 : FA_2016_ST0001_260_10_20160913_00008.jpg



View of the tree stump at the landward side of the levee looking downstream. Fall 2015.

LM Start	0.27	Rating **	N	Issue No.	6
LM End	0.27	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				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_260_6_20160913_00004.jpg



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

LM Start	0.53	Rating **	C	Issue No.	16
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.732759 °	38.732759 °
				-121.801652 °	-121.801652 °
DWR ID	DWR_ST0001_02_f_2015_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		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			

Sacramento Maintenance Yard Cache Creek

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	1.60	Rating **	M	Issue No.	11 (cont)	
LM End	1.60	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.731652 °	38.731652 °	
				-121.786253 °	-121.786253 °	
DWR ID	DWR_ST0001_02_s_2015_11					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
The erosion is down by the channel and does not appear to be in the levee prism.						

Photo 2 of 2 : FA_2016_ST0001_260_11_20160913_00010.jpg



View of the erosion on the channel looking downstream. Spring 2015.

LM Start	1.68	Rating **	M	Issue No.	20
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.730567 °	38.730567 °
				-121.786027 °	-121.786027 °
DWR ID	DWR_ST0001_02_f_2016_20				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_260_20_20161025_00029.jpg



View of prunings on LS slope of the levee. Fall 2016.

LM Start	2.40	Rating **	C	Issue No.	19
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726216 °	38.726216 °
				-121.774927 °	-121.774927 °
DWR ID	DWR_ST0001_02_f_2015_19				
Comment Code					
PI : Pipe					
Inspector Comment					
A hose is on top of the levee and is slowly causing erosion on the landward side of the levee.					

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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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

Photo 1 of 2 : FA_2016_ST0001_260_3_20161025_00026.jpg



10/21/2016

Additional view of debris at the same site on landward side of the levee.
Fall 2016.

Photo 2 of 2 : FA_2016_ST0001_260_3_20160913_00003.jpg



View of the concrete pile at the toe of the landward side of the levee looking downstream. Fall 2015.

Photo 1 of 1 : FA_2016_ST0001_260_18_20161025_00025.jpg



10/21/2016

Prunings on LS levee slope. Fall 2016.

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

Sacramento Maintenance Yard Cache Creek

Sacramento Maintenance Yard Cache Creek

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	3.85	Rating **	C	Issue No.	23
LM End	3.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.722583 °	38.722583 °
				-121.755458 °	-121.755458 °
DWR ID	DWR_ST0001_02_f_2015_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.06	Rating **	M	Issue No.	8
LM End	4.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.723997 °	38.723997 °
				-121.752505 °	-121.752505 °
DWR ID	DWR_ST0001_02_s_2012_8				
Comment Code					
BU : Building					
Inspector Comment					
Building is within the easement of the levee.					

Photo 1 of 1 : FA_2016_ST0001_260_8_20160913_00006.jpg



View of the building on the landward side of the levee looking downstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	4.08	Rating **	M	Issue No.	26
LM End	4.08	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				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_260_26_20160913_00015.jpg



View of the equipment at the toe of the landward side of the levee. Fall 2015.

LM Start	4.09	Rating **	M	Issue No.	9
LM End	4.18	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				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_260_9_20160913_00007.jpg



View of the landscaping vegetation on the landward side of the levee looking downstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	4.19	Rating **	M	Issue No.	5
LM End	4.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.725409 °	38.725409 °
				-121.750907 °	-121.750907 °
DWR ID	DWR_ST0001_02_f_2016_5				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_260_5_20161025_00021.jpg



Prunings on LS levee slope. Fall 2016.

LM Start	4.42	Rating **	M	Issue No.	4
LM End	4.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.726840 °	38.726840 °
				-121.747228 °	-121.747228 °
DWR ID	DWR_ST0001_02_f_2016_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion on LS slope near levee toe.					

Photo 1 of 1 : FA_2016_ST0001_260_4_20161025_00020.jpg



Erosion on LS levee slope toward the toe. Fall 2016.

LM Start	4.49	Rating **	M	Issue No.	27
LM End	4.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727065 °	38.727065 °
				-121.746002 °	-121.746002 °
DWR ID	DWR_ST0001_02_f_2013_27				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_260_27_20160913_00016.jpg



View of the horse corral and building on the waterward side of the levee looking downstream. Fall 2015.

* 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 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	4.69	Rating **	M	Issue No.	14
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727588 °	38.727158 °
				-121.742387 °	-121.740499 °
DWR ID	DWR_ST0001_02_s_2016_14				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0001_260_14_20161025_00018.jpg



View of ditch on landside near the levee toe looking upstream of Cache Creek. Fall 2016.

LM Start	4.69	Rating **	M	Issue No.	14 (cont)
LM End	4.80	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_ST0001_260_14_20161025_00019.jpg



View of ditch on landside near the levee toe looking downstream of Cache Creek. Fall 2016.

LM Start	5.33	Rating **	A/W	Issue No.	13
LM End	5.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.722933 °	38.723467 °
				-121.760561 °	-121.760436 °
DWR ID	DWR_ST0001_02_s_2016_13				
Comment Code					
Inspector Comment					
2009 - Erosion into the levee slope. 2010 - Minor new erosion. 2011 - New erosion and a freshly fallen tree. 2012 - New animal holes and slightly steeper slopes. 2013 - New tree popout and 2 feet of erosion along the top bank. 2015: No observed changes. [2015 Site ID: CHC_5-4 L]					

Photo 1 of 1 : FA_2016_ST0001_260_13_20160913_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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	10/21/2016 10/21/2016	Oleg Yakimov

* 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**

Unit Cover Sheet

Fall 2016 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	3/30/2016 - 3/30/2016		10/20/2016 - 10/20/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
Accompanied By				

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 2016

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	10/20/2016 10/20/2016	Oleg Yakimov

LM Start	1.15	Rating **	A	Issue No.	1
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.711564 °	38.711564 °
				-121.715113 °	-121.715113 °
DWR ID	DWR_ST0001_04_f _ 2016_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0001_261_1_20161025_00001.jpg



Fall 2016.

* 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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