

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

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	
Earthen Levee									
Vegetation	0.01		0.01	0.04%	0.18	0.11			
Encroachments					1.71	0.06			
Animal Control	0.01		0.01	0.04%					
Erosion / Bank Caving	0.02		0.02	0.08%					
Supplemental									
DWR UCIP Field Study					0.07				
LMA Totals:	0.04	0.00	0.04	0.16%	1.96	0.17	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
Earthen Levee								
Vegetation	0.01		0.01	0.09%	0.08	0.11		
Encroachments					1.20	0.06		
Animal Control	0.01		0.01	0.09%				
Supplemental								
DWR UCIP Field Study					0.07			
Unit Totals:	0.02	0.00	0.02	0.17%	1.35	0.17	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
Earthen Levee								
Vegetation					0.10			
Encroachments					0.51			
Erosion / Bank Caving	0.01		0.01	0.09%				
Unit Totals:	0.01	0.00	0.01	0.09%	0.61	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
Earthen Levee								
Erosion / Bank Caving	0.01		0.01	0.44%				
Unit Totals:	0.01	0.00	0.01	0.44%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet**

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**

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	3/10/2020 - 3/10/2020		9/8/2020 - 9/8/2020	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Craig DeNatly DWR		Craig DeNatly DWR	

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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

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.							

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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	24
LM End	0.13	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.714947 °	38.716330 °
				-121.825704 °	-121.824136 °
DWR ID	DWR_ST0001_01_f_2020_24				
Comment Code					
FE : Fence					
Inspector Comment					
Barbed wire fence on waterside shoulder and toe road.					

Photo 1 of 1 : FA_2020_ST0001_259_24_20200909_00065.jpg



View of the fence near the toe road. Fall 2020.

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					
A ditch is located at the levee toe.					

Photo 1 of 2 : FA_2020_ST0001_259_48_20200813_00032.jpg



View of the ditch at the landside levee toe. Fall 2017.

LM Start	0.03	Rating **	M	Issue No.	48 (cont)
LM End	0.16	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2020_ST0001_259_48_20200813_00033.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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	1.30	Rating **	M	Issue No.	25
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.722142 °	38.722142 °
				-121.809913 °	-121.809913 °
DWR ID	DWR_ST0001_01_f _ 2020_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

LM Start	1.37	Rating **	M	Issue No.	79
LM End	1.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.722669 °	38.722669 °
				-121.808792 °	-121.808792 °
DWR ID	16270				
Comment Code					
Inspector Comment					
DS_ID:16270					
FS_ID:50432					
EP_NO: 6790					
Repair Type: Non-Urgent					
EVAL Issue:					
Crossing Status: Indicator Found					
UCIP Comments: May need additional signs on LS of levee.					
FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main of an unknown material through the levee and under the channel, at an unknown depth. Gas line marker on the waterside (WS) slope. (6-inch high-pressure natural gas main authorized under Permit No. 6790, 1969 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993].					
FS Date: 6/16/2016 6:58:00 AM					

Photo 1 of 3 : UCIP_FA_2020_50432_60162.jpg



Waterside view: 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	1.37	Rating **	M	Issue No.	79 (cont)
LM End	1.37	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.722669 °	38.722669 °	
			-121.808792 °	-121.808792 °	
DWR ID	16270				

Photo 2 of 3 : UCIP_FA_2020_50432_60161.jpg



Waterside view: closer look at gasoline marker

LM Start	1.37	Rating **	M	Issue No.	79 (cont)
LM End	1.37	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_50432_60160.jpg



Landside view: no gasoline marker

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_s_2017_63				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_63_20200813_00042.jpg



View of fence at the landside toe. Spring 2020.

*** 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 2020

Sacramento Maintenance Yard Cache Creek

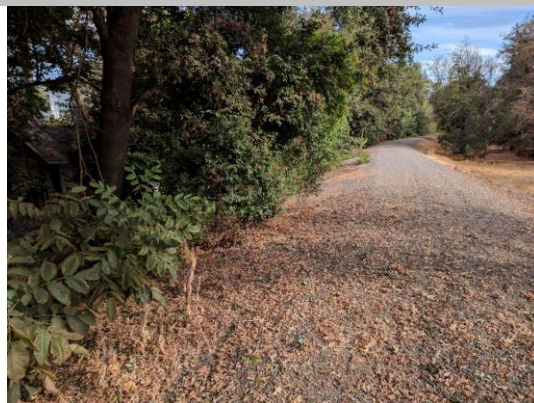
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	1.86	Rating **	M	Issue No.	32
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.729495 °	38.729495 °
				-121.806535 °	-121.806535 °
DWR ID	DWR_ST0001_01_s_2019_32				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farm equipment and debris are located at the landside toe.					

No Photos

LM Start	1.90	Rating **	U	Issue No.	3
LM End	1.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.730008 °	38.731170 °
				-121.806497 °	-121.806220 °
DWR ID	DWR_ST0001_01_s_2012_3				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_3_20200813_00001.jpg



View of thick vegetation on landside slope. Fall 2017.

LM Start	1.98	Rating **	M	Issue No.	6
LM End	2.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.731166 °	38.731620 °
				-121.806215 °	-121.806032 °
DWR ID	DWR_ST0001_01_s_2012_6				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Catus is located on the waterside berm.					

Photo 1 of 1 : FA_2020_ST0001_259_6_20200813_00004.jpg



View of the cactus landscaping 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	1.98	Rating **	U	Issue No.	7
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.731167 °	38.731614 °
				-121.806217 °	-121.806032 °
DWR ID	DWR_ST0001_01_s_2012_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_7_20200909_00066.jpg



View of the landscaping on the landward side of the levee looking downstream. Fall 2020.

LM Start	1.98	Rating **	U	Issue No.	35
LM End	1.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.731208 °	38.731208 °
				-121.806220 °	-121.806220 °
DWR ID	DWR_ST0001_01_s_2020_35				
Comment Code					
DT : Ditch					
Inspector Comment					
The landowner has dug a 5' diameter hole within 10' of the landside toe and it appears to cut into the levee prism.					

Photo 1 of 2 : FA_2020_ST0001_259_35_20200813_00027.jpg



View of the hole within the landside easement. Fall 2019.

LM Start	1.98	Rating **	U	Issue No.	35 (cont)
LM End	1.98	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2020_ST0001_259_35_20200813_00028.jpg



View of the hole within the landside easement. Spring 2019.

*** 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

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_2020_ST0001_259_8_20200813_00006.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	2.01	Rating **	M	Issue No.	33
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.731557 °	38.731557 °
				-121.806054 °	-121.806054 °
DWR ID	DWR_ST0001_01_f_2017_33				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus is located on the landside slope.					

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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.05	Rating **	M	Issue No.	10
LM End	2.05	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_ 2018_10				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_10_20200813_00007.jpg



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

LM Start	2.06	Rating **	M	Issue No.	11
LM End	2.06	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				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_11_20200813_00008.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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

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			38.732523 °	38.732523 °
				-121.805690 °	-121.805690 °
DWR ID	DWR_ST0001_01_f_2020_13				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_13_20200813_00010.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_f _ 2019_12				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_259_12_20200813_00009.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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.12	Rating **	M	Issue No.	14
LM End	2.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.733103 °	38.733233 °
				-121.805330 °	-121.805180 °
DWR ID	DWR_ST0001_01_s_2012_14				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA_2020_ST0001_259_14_20200813_00012.jpg



Another view of the shrubs. Fall 2016.

LM Start	2.12	Rating **	M	Issue No.	14 (cont)
LM End	2.14	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2020_ST0001_259_14_20200813_00011.jpg



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

LM Start	2.13	Rating **	U	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_2020_ST0001_259_15_20200813_00013.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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.16	Rating **	M	Issue No.	9
LM End	2.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733460 °	38.733581 °
				-121.804865 °	-121.804647 °
DWR ID	DWR_ST0001_01_f_2017_9				
Comment Code					
FE : Fence					
Inspector Comment					
There is metal railing on the landside hinge point.					

No Photos

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			38.733580 °	38.733580 °
				-121.804650 °	-121.804650 °
DWR ID	DWR_ST0001_01_s_2012_16				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : FA_2020_ST0001_259_16_20200813_00014.jpg



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

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

Photo 2 of 2 : FA_2020_ST0001_259_16_20200813_00015.jpg



View of the horse barn 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.26	Rating **	M	Issue No.	80	
LM End	2.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.733675 °		38.733675 °
				-121.803009 °		-121.803009 °
DWR ID	16268					
Comment Code						
Inspector Comment						
DS_ID:16268 FS_ID:49099 EP_NO: 2415 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: May need to install gasoline marker on WS slope. FIELD_STRUCT_DESC: 20-inch wrapped steel natural gas pipeline through the levee, 4 feet below the crown. Two cutoff walls. Gas line indicator found on the landside (LS) of the levee. (20-inch wrapped steel natural gas pipeline authorized under Permit No. 2415, 1956 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 126, November 1961, (HLM 2.24)]. FS Date: 6/16/2016 7:00:04 AM						

LM Start	2.26	Rating **	M	Issue No.	80 (cont)
LM End	2.26	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2020_49099_60164.jpg



Waterside view: no indicators found

Photo 2 of 3 : UCIP_FA_2020_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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.26	Rating **	M	Issue No.	80 (cont)
LM End	2.26	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.733675 °	38.733675 °	
			-121.803009 °	-121.803009 °	
DWR ID	16268				

Photo 3 of 3 : UCIP_FA_2020_49099_60165.jpg



Landside view: gasline indicator/flag

LM Start	2.54	Rating **	M	Issue No.	78
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733285 °	38.732782 °
				-121.798029 °	-121.797167 °
DWR ID	DWR_ST0001_01_s_2017_78				
Comment Code					
FE : Fence					
Inspector Comment					
There is a wire fence at the landside levee toe.					

Photo 1 of 1 : FA_2020_ST0001_259_78_20200813_00046.jpg



Chain fence at landside levee toe. Spring 2017.

*** 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.57	Rating **	A/W	Issue No.	30
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.732836 °	38.732685 °
				-121.797893 °	-121.797154 °
DWR ID	DWR_ST0001_01_f_2018_30				

Comment Code

Inspector Comment

2017 Site ID: CHC 2.4 L
Status: Critical
2017 Field Notes: No observed change.
Site History: 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.

LM Start	2.57	Rating **	A/W	Issue No.	30 (cont)
LM End	2.61	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2020_ST0001_259_30_20200813_00021.jpg



View of erosion on the waterside toe road. Fall 2018.

Photo 2 of 3 : FA_2020_ST0001_259_30_20200813_00022.jpg



Additional view of the erosion, facing downstream. Fall 2018.

* 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.57	Rating **	A/W	Issue No.	30 (cont)
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.732836 °	38.732685 °
				-121.797893 °	-121.797154 °
DWR ID	DWR_ST0001_01_f_2018_30				

Photo 3 of 3 : FA_2020_ST0001_259_30_20200813_00023.jpg



USACE 2013 Photo #1

LM Start	2.62	Rating **	M	Issue No.	77
LM End	2.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.732795 °	38.732897 °
				-121.797050 °	-121.796547 °
DWR ID	DWR_ST0001_01_s_2017_77				
Comment Code					
FE : Fence					
Inspector Comment					
There is a wire fence at the landside toe.					

Photo 1 of 1 : FA_2020_ST0001_259_77_20200813_00045.jpg



Chain fence at landside levee toe. Spring 2017.

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_2020_ST0001_259_71_20200813_00043.jpg



View of the equipment on the landward side of the levee looking upstream. Spring 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

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_2020_ST0001_259_20_20200813_00017.jpg



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

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

Photo 2 of 2 : FA_2020_ST0001_259_20_20200813_00016.jpg



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

LM Start	2.84	Rating **	A/W	Issue No.	62
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.734514 °	38.734514 °
				-121.793418 °	-121.793418 °
DWR ID	DWR_ST0001_01_s_2018_62				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is occurring on the waterside berm and toe road. Approximately 120 feet from the landside toe and not within the prism.					

Photo 1 of 4 : FA_2020_ST0001_259_62_20200813_00037.jpg



View of erosion on toe road, looking towards Cache Creek. Spring 2018.

* 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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Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	4.22	Rating **	A/W	Issue No.	34 (cont)
LM End	4.23	Issue Type +	Ma	Location *	WS

A photograph showing a newly constructed road. The foreground is a wide, light-colored gravel shoulder. To the right of the gravel is a dirt/grass embankment. The road surface is a light-colored, unpaved dirt/gravel mix. In the background, there are green trees and a clear blue sky. A small white building is visible on the far left.

LM Start	4.22	Rating **	A/W	Issue No.	34 (cont)
LM End	4.23	Issue Type +	Ma	Location *	WS

A photograph showing a dirt road or path. A yellow survey pole is stuck vertically into the ground on the right side of the road. The ground is light-colored, sandy soil. To the right of the pole, there is a small, deep, irregular hole or trench dug into the soil, revealing a cross-section of the ground. The background features a line of green trees and a clear blue sky. The overall scene appears to be a field site for soil sampling or investigation.

* 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	4.34	Rating **	M	Issue No.	52
LM End	4.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726754 °	38.726242 °
				-121.773424 °	-121.772221 °
DWR ID	DWR_ST0001_01_f_2016_52				
Comment Code					
FE : Fence					
Inspector Comment					
A fence is located on the landside slope.					

Photo 1 of 1 : FA_2020_ST0001_259_52_20200813_00034.jpg



Fence on landside slope. Fall 2016.

LM Start	4.98	Rating **	M	Issue No.	81
LM End	4.98	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.721038 °	38.721038 °
				-121.764180 °	-121.764180 °
DWR ID	16265				
Comment Code					
Inspector Comment					
DS_ID:16265 FS_ID:49111 EP_NO: 7232 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: May need marker on WS. FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, 2.5 feet below the crown. Communications marker located on the east side of Highway 113 on the landside (LS) toe. (Telephone conduit authorized under Permit No. 7232, 1970 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 6/16/2016 7:08:33 AM					

Photo 1 of 2 : UCIP_FA_2020_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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	4.98	Rating **	M	Issue No.	81 (cont)
LM End	4.98	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.721038 °	38.721038 °	
			-121.764180 °	-121.764180 °	
DWR ID	16265				

Photo 2 of 2 : UCIP_FA_2020_49111_73500.jpg



Sign on LS toe.

LM Start	4.99	Rating **	M	Issue No.	82
LM End	4.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.721025 °	38.721025 °	
			-121.764147 °	-121.764147 °	
DWR ID	16756				

Comment Code

Inspector Comment

DS_ID:16756
 FS_ID:49112
 EP_NO: 3089
 Repair Type: Non-Urgent
 EVAL Issue:
 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 natural gas pipeline through the levee, 4 feet below the crown. Gas line marker located 500 feet north of the levee crossing at the levee access road/gate. Pipe alignment to east of bridge. (4-inch natural gas pipeline grouted in place and replaced with a 4-inch steel natural gas pipeline to east side of bridge under Permit No. 3089, 1959 - Yolo County Sales Company).
 [Additional Reference(s): USACE Sacramento O&M Manual 126, November 1961, (HLM 4.98)].
 FS Date: 6/16/2016 7:09:02 AM

Photo 1 of 2 : UCIP_FA_2020_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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Sacramento Maintenance Yard Cache Creek

* 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	6.29	Rating **	C	Issue No.	31
LM End	6.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.728093 °	38.728093 °
				-121.746605 °	-121.746605 °
DWR ID	DWR_ST0001_01_f_2019_31				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	6.66	Rating **	M	Issue No.	66
LM End	6.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728826 °	38.728826 °
				-121.739825 °	-121.739825 °
DWR ID	DWR_ST0001_01_s_2019_66				
Comment Code					
EQ : Equipment					
Inspector Comment					
Coiled irrigation line at the landside toe.					

No Photos

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					
There is cactus on the landside slope.					

Photo 1 of 1 : FA_2020_ST0001_259_57_20200813_00035.jpg



View of the cactus 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

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_f_2020_40				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 2 : FA_2020_ST0001_259_40_20200813_00030.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_2020_ST0001_259_40_20200813_00031.jpg



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

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

Photo 1 of 1 : FA_2020_ST0001_259_39_20200813_00029.jpg



View of barn and livestock pens.

* 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	7.35	Rating **	M	Issue No.	44
LM End	7.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.728149 °	38.728149 °
				-121.727528 °	-121.727528 °
DWR ID	DWR_ST0001_01_f_2017_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is cactus on the landside slope.					

No Photos

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 °	38.728194 °
				-121.727442 °	-121.720255 °
DWR ID	DWR_ST0001_01_s _ 2015_26				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located at the levee toe.					

Photo 1 of 1 : FA_2020_ST0001_259_26_20200813_00019.jpg



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

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					

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			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	7.89	Rating **	M	Issue No.	83	
LM End	7.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.727333 °		38.727333 °
				-121.718558 °		-121.718558 °
DWR ID	16264					
Comment Code						
Inspector Comment						
DS_ID:16264 FS_ID:50811 EP_NO: 12983 Repair Type: Non-Urgent EVAL Issue: 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: 4-inch and 6-inch coated steel natural gas pipelines through the levee and under the Cache Creek Settling Basin, at an unknown depth. (4-inch and 6-inch pipelines authorized under Permit No. 12983, 1980 - Shell Oil Company). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 11/21/2016 7:56:33 AM						

Photo 1 of 2 : UCIP_FA_2020_50811_60197.jpg



Waterside view: gasline indicator

LM Start	7.89	Rating **	M	Issue No.	83 (cont)
LM End	7.89	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2020_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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	7.93	Rating **	C	Issue No.	76
LM End	7.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727286 °	38.727286 °
				-121.717859 °	-121.717859 °
DWR ID	DWR_ST0001_01_s_2020_76				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	10.40	Rating **	M	Issue No.	84
LM End	10.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.705051 °	38.705051 °
				-121.695577 °	-121.695577 °
DWR ID	17115				
Comment Code					
Inspector Comment					
DS_ID:17115 FS_ID:53214 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/19/16 w/s capped l/s capped FIELD_STRUCT_DESC: 18-inch, 0.25-inch-thick soil-proofed steel irrigation pipe through the levee, 4 feet below the crown. Pipe used for seasonal irrigation. Pipe opening capped on both ends. As-Built Drawing North Station 68+00. Pipe installed during Cache Creek Settling Basin Enlargement, 1991. FS Date: 11/16/2018 8:34:00 AM					

Photo 1 of 3 : UCIP_FA_2020_53214_60219.jpg



Crown view: overview

* 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	10.40	Rating **	M	Issue No.	84 (cont)
LM End	10.40	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.705051 °	38.705051 °	
			-121.695577 °	-121.695577 °	
DWR ID	17115				

Photo 2 of 3 : UCIP_FA_2020_53214_60223.jpg



Waterside view: closer look at capped pipe.

LM Start	10.40	Rating **	M	Issue No.	84 (cont)
LM End	10.40	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_53214_60222.jpg



Waterside view: steel pipe on the slope 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	10.75	Rating **	M	Issue No.	85	
LM End	10.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.701814 °	38.701814 °	
				-121.690832 °	-121.690832 °	
DWR ID	17119					
Comment Code						
Inspector Comment						
DS_ID:17119 FS_ID:53215 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 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, 0.25-inch-thick soil-proofed steel irrigation pipe, 2 feet below the crown. Capped vent on the apex of the pipe off the landside (LS) shoulder. Booster pump located off the LS toe at the LS toe ditch. Another groundwater pump is located a further distance off the LS toe. Pumped groundwater is conveyed to the toe ditch and a booster pump pumps water through the levee and into a waterside (WS) ditch in the Cache Creek Settling Basin. Distribution box off the WS toe at the WS toe ditch. Could not locate a positive closure device. [Additional Reference(s): USACE As-Constructed Drawing North Station 49+50]. FS Date: 11/16/2018 8:35:41 AM						

Photo 1 of 3 : UCIP_FA_2020_53215_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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2020 09/08/2020	Zach Jojola

LM Start	10.75	Rating **	M	Issue No.	85 (cont)
LM End	10.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.701814 °	38.701814 °
				-121.690832 °	-121.690832 °
DWR ID	17119				

Photo 2 of 3 : UCIP_FA_2020_53215_60147.jpg



Landside view: pipe daylight on LS levee slope

LM Start	10.75	Rating **	M	Issue No.	85 (cont)
LM End	10.75	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_53215_60149.jpg



Landside view: pumping plant

* 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**

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	3/11/2020 - 3/11/2020		9/8/2020 - 9/8/2020	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Craig DeNatly DWR		Craig DeNatly DWR	

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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.727051 °	38.727051 °
				-121.806299 °	-121.806299 °
DWR ID	DWR_ST0001_02_f_2020_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2020_ST0001_260_1_20200909_00019.jpg



View of maintained landside slope. Fall 2020.

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_2020_ST0001_260_10_20200813_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					
A large black walnut tree stump is at the toe of the levee.					

Photo 1 of 1 : FA_2020_ST0001_260_6_20200813_00005.jpg



View of large black walnut tree stump is at the landside toe. 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	1.59	Rating **	C	Issue No.	43
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.731842 °	38.731842 °
				-121.786177 °	-121.786177 °
DWR ID	DWR_ST0001_02_s_2020_43				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.60	Rating **	A/W	Issue No.	16
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.731659 °	38.731577 °
				-121.785931 °	-121.785936 °
DWR ID	ST1-01				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is on the bank and is starting to cut into the WS toe road. Approximately 55 feet from the landside toe.					
Site ID No:181					
Site Designation:ST1-01					

Photo 1 of 1 : FA_2020_ST0001_260_16_20200813_00011.jpg



View of storm damage site on waterside berm. Does not appear to be within the levee prism at this time. Fall 2017.

LM Start	1.65	Rating **	C	Issue No.	42
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.730995 °	38.730995 °
				-121.786229 °	-121.786229 °
DWR ID	DWR_ST0001_02_s_2020_42				
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 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	1.68	Rating **	C	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					

No Photos

LM Start	1.68	Rating **	C	Issue No.	34
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.730557 °	38.730396 °
				-121.786022 °	-121.785907 °
DWR ID	DWR_ST0001_02_s_2020_34				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.97	Rating **	M	Issue No.	24
LM End	1.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727653 °	38.727653 °
				-121.782412 °	-121.782412 °
DWR ID	DWR_ST0001_02_f_2019_24				
Comment Code					
EQ : Equipment					
Inspector Comment					
There are small pumps with 10 air valves, and 3 bollards located at the landside toe. The pipes do not appear to cross levee. Need to find permit.					

Photo 1 of 1 : FA_2020_ST0001_260_24_20200813_00014.jpg



View of the pumps, air valves, and bollards at the landside toe. Fall 2019.

* 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.35	Rating **	M	Issue No.	38
LM End	2.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726374 °	38.726374 °
				-121.775708 °	-121.775708 °
DWR ID	DWR_ST0001_02_s _ 2020_38				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farm equipment at the landside toe.					

No Photos

LM Start	2.40	Rating **	M	Issue No.	32
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.726183 °	38.726183 °
				-121.774861 °	-121.774861 °
DWR ID	DWR_ST0001_02_f_2020_32				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus is located at the landside toe.					

No Photos

LM Start	2.41	Rating **	M	Issue No.	3
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726141 °	38.726141 °
				-121.774774 °	-121.774774 °
DWR ID	DWR_ST0001_02_s_2018_3				
Comment Code					
DE : Debris					
Inspector Comment					
Irrigation lines and broken concrete pipes are on the landside of the levee.					

Photo 1 of 2 : FA_2020_ST0001_260_3_20200813_00002.jpg



Additional view of debris on landward side of the levee. 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.41	Rating **	M	Issue No.	3 (cont)
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726141 °	38.726141 °
				-121.774774 °	-121.774774 °
DWR ID	DWR_ST0001_02_s_ 2018_3				

Photo 2 of 2 : FA_2020_ST0001_260_3_20200813_00003.jpg



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

LM Start	2.43	Rating **	M	Issue No.	29
LM End	2.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726036 °	38.725836 °
				-121.774340 °	-121.773688 °
DWR ID	DWR_ST0001_02_f_ 2017_29				
Comment Code					
EQ : Equipment					
Inspector Comment					
There is farm equipment at the landside toe.					

Photo 1 of 1 : FA_2020_ST0001_260_29_20200813_00016.jpg



View of farm equipment at the landside toe. Spring 2020.

LM Start	2.61	Rating **	A/W	Issue No.	36
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.724457 °	38.724457 °
				-121.771757 °	-121.771757 °
DWR ID	DWR_ST0001_02_s_ 2017_36				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	3.39	Rating **	M	Issue No.	17
LM End	3.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.720204 °	38.720204 °
				-121.759760 °	-121.759760 °
DWR ID	DWR_ST0001_02_f_2016_17				
Comment Code					
FW : Firewood					
Inspector Comment					
There is a firewood pile behind the wire fence.					

Photo 1 of 1 : FA_2020_ST0001_260_17_20200813_00012.jpg



View of firewood pile. Spring 2020.

LM Start	3.53	Rating **	A/W	Issue No.	2
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.722138 °	38.723294 °
				-121.759736 °	-121.759588 °
DWR ID	DWR_ST0001_02_f_2018_2				
Comment Code					
Inspector Comment					
2017 Site ID: CHC 3.5 R					
Status: Eroding					
2017 Field Notes: Significant amount of debris along bank.					
Site History: 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.					

Photo 1 of 1 : FA_2020_ST0001_260_2_20200813_00001.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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

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			38.723992 °	38.723992 °
				-121.752511 °	-121.752511 °
DWR ID	DWR_ST0001_02_s_2012_8				
Comment Code					
BU : Building					
Inspector Comment					
A building is within the easement of the levee.					

Photo 1 of 1 : FA_2020_ST0001_260_8_20200813_00006.jpg



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

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			38.724219 °	38.724219 °
				-121.752252 °	-121.752252 °
DWR ID	DWR_ST0001_02_f_2013_26				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA_2020_ST0001_260_26_20200813_00015.jpg



View of the equipment at the toe of the landward side of the levee. 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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

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_2020_ST0001_260_9_20200813_00007.jpg



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

LM Start	4.20	Rating **	M	Issue No.	28
LM End	4.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.725449 °	38.725449 °
				-121.750856 °	-121.750856 °
DWR ID	DWR_ST0001_02_f_2017_28				
Comment Code					
EQ : Equipment					
Inspector Comment					
Pipes and farm equipment are located at the landside toe.					

No Photos

LM Start	4.22	Rating **	M	Issue No.	13
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.725762 °	38.725762 °
				-121.750560 °	-121.750560 °
DWR ID	DWR_ST0001_02_f_2019_13				
Comment Code					
EQ : Equipment					
Inspector Comment					
Pipes are located on the landside slope.					

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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	4.51	Rating **	C	Issue No.	7
LM End	4.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727118 °	38.727118 °
				-121.745604 °	-121.745604 °
DWR ID	DWR_ST0001_02_f_2019_7				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	4.88	Rating **	C	Issue No.	31
LM End	4.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.726834 °	38.726834 °
				-121.738983 °	-121.738983 °
DWR ID	DWR_ST0001_02_s_2020_31				
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 2020

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2020 09/08/2020	Zach Jojola

LM Start	5.33	Rating **	A/W	Issue No.	11
LM End	5.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.722933 °	38.723467 °
				-121.760561 °	-121.760436 °
DWR ID	DWR_ST0001_02_f_2018_11				
Comment Code					
Inspector Comment					
2017 Site ID: CHC 5.4 L					
Status: Eroding					
2017 Field Notes: Site continues to erode due to recent high storm events.					
Site History: 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.					

Photo 1 of 1 : FA_2020_ST0001_260_11_20200813_00009.jpg



USACE 2013 Photo #1

LM Start	5.85	Rating **	C	Issue No.	5
LM End	5.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.727400 °	38.727400 °
				-121.721937 °	-121.721937 °
DWR ID	DWR_ST0001_02_f_2019_5				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

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

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

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	3/10/2020 - 3/10/2020		9/8/2020 - 9/8/2020	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Craig DeNatly DWR		Craig DeNatly DWR	

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 2020

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	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.25	Rating **	A	Issue No.	2
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.695584 °	38.695584 °
				-121.715874 °	-121.715874 °
DWR ID	DWR_ST0001_04_f_2020_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2020_ST0001_261_2_20200909_00003.jpg



View of the maintained landside slope. Fall 2020.

LM Start	2.25	Rating **	C	Issue No.	1
LM End	2.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.695581 °	38.695581 °
				-121.715884 °	-121.715884 °
DWR ID	DWR_ST0001_04_s_2020_1				
Comment Code					
PR : Prunings					
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 2020

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	09/08/2020 09/08/2020	Zach Jojola

LM Start	2.26	Rating **	M	Issue No.	3
LM End	2.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.695416 °	38.695416 °
				-121.715943 °	-121.715943 °
DWR ID	DWR_ST0001_04_s_2017_3				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Scour on waterside levee slope at end of Unit 04 levee. There is no visible active erosion at this time, however future high water events will likely cause further erosion into the levee prism.					
Site ID No:250					
Site Designation:LMA-58					

LM Start	2.26	Rating **	M	Issue No.	3 (cont)
LM End	2.26	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2020_ST0001_261_3_20200813_00001.jpg



View of scour at the end of the levee unit. Spring 2020.

Photo 2 of 2 : FA_2020_ST0001_261_3_20200813_00002.jpg



View of scour on waterside levee slope at the end of Unit 4. Spring 2018.

* 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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