

Flood Control Project Maintenance Levee Inspections

Fall 2021 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
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.04%	0.16	0.11		
Trim / Thin Trees	0.01		0.01	0.04%				
Encroachments	0.02		0.02	0.08%	2.11	0.10		
Animal Control	0.02		0.02	0.08%				
Erosion / Bank Caving	0.01		0.01	0.04%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.13			
<i>LMA Totals:</i>	0.07	0.00	0.07	0.28%	2.40	0.21	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	0.01		0.01	0.09%	0.06	0.11		
Trim / Thin Trees	0.01		0.01	0.09%				
Encroachments					1.46	0.10		
Animal Control	0.01		0.01	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
<i>Unit Totals:</i>	0.03	0.00	0.03	0.26%	1.59	0.21	0.00	0.00

Unit No. 02 South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0001	A	11.48						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.10			
Encroachments	0.02		0.02	0.17%	0.65			
Animal Control	0.01		0.01	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.06			
<i>Unit Totals:</i>	0.03	0.00	0.03	0.26%	0.81	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
<i>Earthen Levee</i>								
Erosion / Bank Caving	0.01		0.01	0.44%				
<i>Unit Totals:</i>	0.01	0.00	0.01	0.44%	0.00	0.00	0.00	0.00

**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	3/9/2021 - 3/9/2021		9/8/2021 - 9/8/2021	
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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_ST0001_259_24_20210907_00013.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 1 : FA_2021_ST0001_259_48_20210908_00053.jpg



View of ditch at landside toe. Fall 2021.

LM Start	0.92	Rating **	M	Issue No.	27
LM End	1.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.719051 °	38.720864 °
				-121.815287 °	-121.812980 °
DWR ID	DWR_ST0001_01_f_2021_27				
Comment Code					
DT : Ditch					
Inspector Comment					
There is an irrigation ditch at the landside toe.					

Photo 1 of 1 : FA_2021_ST0001_259_27_20210907_00015.jpg



View of irrigation ditch near the landside toe. Spring 2021.

* 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

LM Start	1.16	Rating **	M	Issue No.	25
LM End	1.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.721613 °	38.721819 °
				-121.812406 °	-121.811911 °
DWR ID	DWR_ST0001_01_f_2021_25				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner has garden with drip system within landside easement.					

Photo 1 of 1 : FA_2021_ST0001_259_25_20210908_00054.jpg



View of garden at landside toe. Fall 2021.

LM Start	1.33	Rating **	M	Issue No.	28
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.722312 °	38.722312 °
				-121.809452 °	-121.809452 °
DWR ID	DWR_ST0001_01_s_2021_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are on the landside slope.					

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**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

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_2021_50432_60162.jpg



Waterside view: gasline marker

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

Photo 2 of 3 : UCIP_FA_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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 3 of 3 : UCIP_FA_2021_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_2021_ST0001_259_63_20210907_00030.jpg



View of fence at the landside toe. Spring 2020.

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

* 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

LM Start	1.90	Rating **	M	Issue No.	31
LM End	1.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.730006 °	38.730006 °
				-121.806492 °	-121.806492 °
DWR ID	DWR_ST0001_01_f_2021_31				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim tree over levee crown.					

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_2021_ST0001_259_3_20210907_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_2021_ST0001_259_6_20210907_00002.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 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_ST0001_259_7_20210907_00003.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 1 : FA_2021_ST0001_259_35_20210907_00021.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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_ST0001_259_8_20210907_00004.jpg



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

LM Start	2.01	Rating **	C	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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_ST0001_259_10_20210907_00005.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_2021_ST0001_259_11_20210907_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 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_ST0001_259_13_20210907_00008.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_2021_ST0001_259_12_20210907_00007.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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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 1 : FA_2021_ST0001_259_14_20210907_00009.jpg



View of the shrubs. Fall 2016.

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_2021_ST0001_259_15_20210907_00010.jpg

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

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

* 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

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 1 : FA_2021_ST0001_259_16_20210907_00011.jpg



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

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					

Photo 1 of 3 : UCIP_FA_2021_49099_60164.jpg



Waterside view: no indicators 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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 2 of 3 : UCIP_FA_2021_49099_60163.jpg



Landside view: gasline indicator

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

Photo 3 of 3 : UCIP_FA_2021_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_2021_ST0001_259_78_20210907_00034.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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	2018 USACE Erosion Survey			38.732836 °	38.732685 °
				-121.797893 °	-121.797154 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: CHC 2.4 L					
Status: Critical					
2018 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.					

Photo 1 of 1 : FA_2021_ST0001_259_30_20211218_14.jpg



USACE 2018 Erosion 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_2021_ST0001_259_77_20210907_00033.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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

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_2021_ST0001_259_71_20210907_00031.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 1 : FA_2021_ST0001_259_20_20210907_00012.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 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

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 2 : FA_2021_ST0001_259_62_20210907_00028.jpg



View of erosion looking towards the landside levee slope, facing northeast. Spring 2018.

LM Start	2.84	Rating **	A/W	Issue No.	62 (cont)
LM End	2.84	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2021_ST0001_259_62_20210907_00029.jpg



View of erosion from levee crown, facing Cache Creek. Fall 2018.

LM Start	3.71	Rating **	A/W	Issue No.	41
LM End	3.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.729664 °	38.729322 °
				-121.784222 °	-121.783842 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: CHC 3.6 L					
Status: Eroding New					
2018 Field Notes: Erosion of entire bank slope. Possible tree popout.					
Slumping cracks along berm.					
Site History:					

Photo 1 of 2 : FA_2021_ST0001_259_41_20211218_16.jpg



USACE 2018 Erosion 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	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

LM Start	3.71	Rating **	A/W	Issue No.	41 (cont)
LM End	3.74	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2018 USACE Erosion Survey		38.729664 °	38.729322 °	
			-121.784222 °	-121.783842 °	
DWR ID					

Photo 2 of 2 : FA_2021_ST0001_259_41_20211218_17.jpg



USACE 2018 Erosion Photo #2

LM Start	4.22	Rating **	A/W	Issue No.	34
LM End	4.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.727207 °	38.727187 °	
			-121.775521 °	-121.775450 °	
DWR ID	LMA-57				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Erosion is occurring on the waterside berm and toe road. Approximately 80 feet from the landside toe and not within the prism.

Site ID No:249

Site Designation:LMA-57

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

Photo 1 of 2 : LEVAL_FA_2021_249_954.jpg



View of toe road where erosion is located.

Photo 2 of 2 : LEVAL_FA_2021_249_959.jpg



View of erosion near waterside toe road.

*** 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_ST0001_259_52_20210907_00025.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_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_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_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

LM Start	4.99	Rating **	M	Issue No.	82 (cont)
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				

Photo 2 of 2 : UCIP_FA_2021_49112_73503.jpg



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

LM Start	5.61	Rating **	U	Issue No.	73
LM End	5.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724418 °	38.724078 °
				-121.756770 °	-121.756115 °
DWR ID	DWR_ST0001_01_s _ 2020_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed trees on the landside slope.					

Photo 1 of 1 : FA_2021_ST0001_259_73_20210907_00032.jpg



View of downed trees on the landside slope. Spring 2020.

LM Start	5.66	Rating **	M	Issue No.	36
LM End	5.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724017 °	38.723855 °
				-121.756031 °	-121.755813 °
DWR ID	DWR_ST0001_01_f_2021_36				
Comment Code					
EQ : Equipment					
Inspector Comment					
Bee boxes 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

LM Start	5.72	Rating **	U	Issue No.	61
LM End	5.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.723678 °	38.723762 °
				-121.755039 °	-121.754542 °
DWR ID	DWR_ST0001_01_s_ 2019_61				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed trees on the landside slope.					

Photo 1 of 1 : FA_2021_ST0001_259_61_20210907_00027.jpg



View of downed trees on the landside slope. Spring 2020.

LM Start	6.50	Rating **	M	Issue No.	37
LM End	6.53	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.728791 °	38.728838 °
				-121.742820 °	-121.742343 °
DWR ID	DWR_ST0001_01_f_ 2021_37				
Comment Code					
EQ : Equipment					
Inspector Comment					
Beehives at the waterside toe.					

No Photos

LM Start	6.66	Rating **	C	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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

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	Encroachments			38.727705 °	38.727705 °
				-121.729462 °	-121.729462 °
DWR ID	DWR_ST0001_01_f_2015_57				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile at the landside toe.					

No Photos

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 1 : FA_2021_ST0001_259_40_20210907_00023.jpg



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

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_2021_ST0001_259_39_20210907_00022.jpg



View of barn and livestock pens.

* 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_s_2021_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_f_2021_26				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located at the levee toe.					

Photo 1 of 1 : FA_2021_ST0001_259_26_20210908_00055.jpg



View of ditch at landside toe. Fall 2021.

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 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_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_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	Zach Jojola

LM Start	8.81	Rating **	M	Issue No.	38
LM End	8.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.726605 °	38.726370 °
				-121.702007 °	-121.701804 °
DWR ID	DWR_ST0001_01_f_2021_38				
Comment Code					
EQ : Equipment					
Inspector Comment					
Bee boxes at the landside toe.					

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_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_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_2021_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 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/08/2021 09/08/2021	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_2021_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_2021_53215_60149.jpg



Landside view: pumping plant

* 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
--	--	---	---

**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	3/9/2021 - 3/9/2021		9/8/2021 - 9/8/2021	
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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

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.					

No Photos

LM Start	0.22	Rating **	M	Issue No.	25
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.730020 °	38.730020 °
				-121.805102 °	-121.805102 °
DWR ID	DWR_ST0001_02_f_2021_25				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limb on the landside slope.					

No Photos

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.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.45	Rating **	M	Issue No.	39
LM End	0.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.732723 °	38.732723 °
				-121.803134 °	-121.803134 °
DWR ID	16283				

Comment Code

Inspector Comment

DS_ID:16283
FS_ID:60013
EP_NO: 2415
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Indicator Found
UCIP Comments: 08/05/2020 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. (Rajmani Subedi - DWR UCIP)
FIELD_STRUCT_DESC: 20-inch steel natural gas pipeline through both levees and under Cache Creek, 3 feet below the crown. Gas line marker found on the landside and on the other levee (Unit 1) across the creek. (Natural gas pipeline authorized under Permit No. 2415, 1956 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993 (HLM 0.44). USACE Sacramento O&M Manual 126, November 1961, (HLM 0.44)].
FS Date: 8/5/2020 9:15:00 AM

LM Start	0.45	Rating **	M	Issue No.	39 (cont)
LM End	0.45	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60013_87297.jpg



Overview of Levee Crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_60013_87298.jpg



Levee Slope - waterside

* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.45	Rating **	M	Issue No.	39 (cont)
LM End	0.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.732723 °	38.732723 °
				-121.803134 °	-121.803134 °
DWR ID	16283				

Photo 3 of 3 : UCIP_FA_2021_60013_87299.jpg



Gasline marker at landside slope

LM Start	0.90	Rating **	A/W	Issue No.	2
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.732678 °	38.732903 °
				-121.795347 °	-121.795017 °
DWR ID					

Comment Code

Inspector Comment

2018 Site ID: CHC 0.9 R
Status: Eroding New
2018 Field Notes: Vertical eroding bank slope.
Site History:

Photo 1 of 2 : FA_2021_ST0001_260_2_20211218_2.jpg



USACE 2018 Erosion Photo #1

LM Start	0.90	Rating **	A/W	Issue No.	2 (cont)
LM End	0.92	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2021_ST0001_260_2_20211218_3.jpg



USACE 2018 Erosion Photo #2

*** 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	1.20	Rating **	M	Issue No.	23
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.733591 °	38.733591 °
				-121.790020 °	-121.790020 °
DWR ID	DWR_ST0001_02_f_2021_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole on the landside slope, but less than 2 cubic feet of material.					

No Photos

LM Start	1.49	Rating **	M	Issue No.	22
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.733286 °	38.733286 °
				-121.785970 °	-121.785970 °
DWR ID	DWR_ST0001_02_f_2021_22				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limb on the waterside slope.					

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_2021_ST0001_260_16_20210908_00035.jpg



View of erosion on waterside toe road. Fall 2021.

* 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	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	1.64	Rating **	C	Issue No.	5
LM End	1.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.731011 °	38.731011 °
				-121.786228 °	-121.786228 °
DWR ID	DWR_ST0001_02_s_2021_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.68	Rating **	C	Issue No.	4
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.730507 °	38.730507 °
				-121.785972 °	-121.785972 °
DWR ID	DWR_ST0001_02_s_2021_4				
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_2021_ST0001_260_24_20210907_00013.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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	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					
There is 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.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

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_2021_ST0001_260_29_20210907_00015.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

LM Start	2.64	Rating **	M	Issue No.	37
LM End	2.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724129 °	38.724129 °
				-121.771383 °	-121.771383 °
DWR ID	DWR_ST0001_02_s_2017_37				
Comment Code					
PO : Pole					
Inspector Comment					
There is a pole with no lines attached on the landside.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	3.11	Rating **	M	Issue No.	40
LM End	3.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.720318 °	38.720318 °
				-121.764436 °	-121.764436 °
DWR ID	16282				

Comment Code

Inspector Comment

DS_ID:16282
FS_ID:60019
EP_NO: 12815A
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Indicator Found
UCIP Comments: 08/05/2020 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. (Rajmani Subedi - DWR UCIP)
FIELD_STRUCT_DESC: 4-inch coated steel natural gas pipeline through the levee, 2.5 feet below the crown. Pipe inside an 8-inch steel conduit attached to the underside of the bridge on the upstream side. Indicators found on the landside (LS), the waterside (WS), and across the channel. (Natural gas pipeline authorized under Permit No. 12815, 1979 - Pacific Gas and Electric Company [PG&E]). As-built drawing not available or found. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 126, November 1961, (HLM 3.07)].
FS Date: 8/5/2020 1:19:00 PM

LM Start	3.11	Rating **	M	Issue No.	40 (cont)
LM End	3.11	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60019_87302.jpg



Overview of Levee Crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_60019_87303.jpg



gasline marker near the bridge, waterside slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	3.11	Rating **	M	Issue No.	40 (cont)
LM End	3.11	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.720318 °	38.720318 °	
			-121.764436 °	-121.764436 °	
DWR ID	16282				

Photo 3 of 3 : UCIP_FA_2021_60019_87304.jpg



Pipeline seen under the bridge.

LM Start	3.14	Rating **	M	Issue No.	15
LM End	3.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.720022 °	38.722053 °
				-121.763913 °	-121.759600 °
DWR ID	DWR_ST0001_02_f_2016_15				
Comment Code					
FE : Fence					
Inspector Comment					
There is a wire fence at the landside toe.					

Photo 1 of 1 : FA_2021_ST0001_260_15_20210908_00034.jpg



View of fence at landside toe. Fall 2021.

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_2021_ST0001_260_17_20210907_00012.jpg



View of firewood pile. 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**

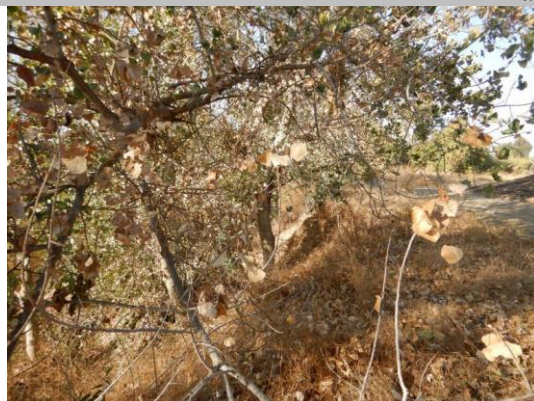
Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	3.53	Rating **	A/W	Issue No.	11
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.722138 °	38.723294 °
				-121.759736 °	-121.759588 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: CHC 3.5 R Status: Eroding 2018 Field Notes: No observed change. 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. 2017 - Significant amount of debris along bank.					

Photo 1 of 2 : FA_2021_ST0001_260_11_20211218_4.jpg



USACE 2018 Erosion Photo #1

LM Start	3.53	Rating **	A/W	Issue No.	11 (cont)
LM End	3.60	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2021_ST0001_260_11_20211218_5.jpg



USACE 2018 Erosion Photo #2

* 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	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_2021_ST0001_260_8_20210907_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_2021_ST0001_260_26_20210907_00014.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

Sacramento Maintenance Yard Cache Creek

Page 12 of 20

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	4.68	Rating **	M	Issue No.	1
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727589 °	38.727127 °
				-121.742532 °	-121.740476 °
DWR ID	DWR_ST0001_02_s _ 2021_1				
Comment Code					
DT : Ditch					
Inspector Comment					
An irrigation ditch is located at the landside toe.					

Photo 1 of 1 : FA_2021_ST0001_260_1_20210907_00001.jpg



View of irrigation ditch at the landside toe. Spring 2021.

LM Start	4.71	Rating **	M	Issue No.	21
LM End	4.73	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.727496 °	38.727432 °
				-121.741969 °	-121.741663 °
DWR ID	DWR_ST0001_02_f_2021_21				
Comment Code					
EQ : Equipment					
Inspector Comment					
Bee boxes at the waterside toe.					

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**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	4.89	Rating **	M	Issue No.	41
LM End	4.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.726833 °	38.726833 °
				-121.738804 °	-121.738804 °
DWR ID	16768				

Comment Code

Inspector Comment

DS_ID:16768
FS_ID:60096
EP_NO: 17786
Repair Type: Non-Urgent
EVAL Issue: Abandoned encroachment
Crossing Status: Found
UCIP Comments: 08/05/2020 Record updated from No Action Needed to Non-Urgent. No issues observed during inspection. There is a hump in the levee, about 2 feet for pipe crossing. Pipe seems to be abandoned, due to cap on both sides. Check the permit for abandonment. (Rajmani Subedi - DWR UCIP)
11/16/18: Pipe for portable pump. Both ends of the pipe are bolted.
FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 2 feet below the crown. Portable pump. Two 12-inch aluminum pipes, each 350 feet long, along the overflow area and attached to the 16-inch pipe. (16-inch irrigation pipe, portable pump, and two 12-inch pipes authorized under Permit No. 17786, 2004 - UC Regents, care of Bob Hathaway).
FS Date: 8/5/2020 1:57:13 PM

LM Start	4.89	Rating **	M	Issue No.	41 (cont)
LM End	4.89	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60096_87380.jpg



overview of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_60096_87381.jpg



levee slope at waterside

* 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

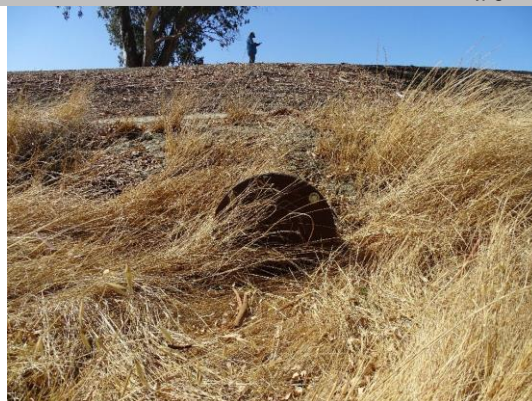
Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	4.89	Rating **	M	Issue No.	41 (cont)	
LM End	4.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.726833 °	38.726833 °	
				-121.738804 °	-121.738804 °	
DWR ID	16768					

Photo 3 of 3 : UCIP_FA_2021_60096_87382.jpg



levee slope at waterside

LM Start	5.33	Rating **	A/W	Issue No.	27
LM End	5.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.722933 °	38.723467 °
				-121.760561 °	-121.760436 °
DWR ID					

Comment Code

Inspector Comment

2018 Site ID: CHC 5.4 L
 Status: Eroding
 2018 Field Notes: No observed change.
 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. 2017 - Site continues to erode due to the high 2017 storm event.

Photo 1 of 2 : FA_2021_ST0001_260_27_20211218_8.jpg



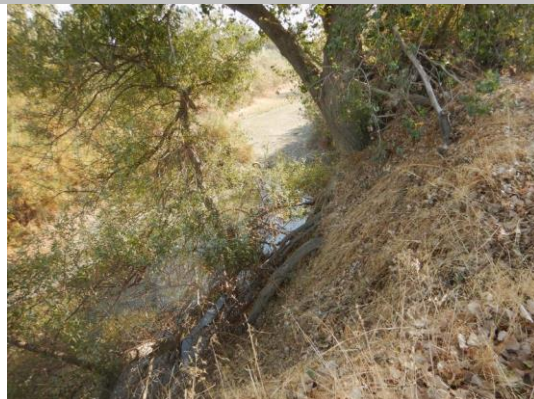
USACE 2018 Erosion Photo #1

* 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
--	--	---	--	---

Levee Inspection Report By Mile - Fall 2021

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

Photo 2 of 2 : FA_2021_ST0001_260_27_20211218_9.jpg



USACE 2018 Erosion Photo #2

Photo 1 of 3 : UCIP_FA_2021_60171_87463.jpg



overview of levee crown looking downstream

* 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 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	6.58	Rating **	M	Issue No.	42 (cont)
LM End	6.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.718522 °	38.718522 °
				-121.717335 °	-121.717335 °
DWR ID	25094				

Photo 2 of 3 : UCIP_FA_2021_60171_87464.jpg



waterside view

LM Start	6.58	Rating **	M	Issue No.	42 (cont)
LM End	6.58	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_60171_87465.jpg



gas well at waterside

* 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	9.49	Rating **	M	Issue No.	43
LM End	9.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.678217 °	38.678217 °
				-121.709723 °	-121.709723 °
DWR ID	16825				

Comment Code

Inspector Comment

DS_ID:16825
FS_ID:60172
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 08/05/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (Raj Subedi - DWR UCIP)
11/6/2018: Waterside and landside headwalls are 16 ft wide. Water was full during field survey. Concrete culvert is visible on both sides of the levee. An irrigation ditch on landside of the levee.
FIELD_STRUCT_DESC: 72-inch by 72-inch reinforced concrete box gravity flow irrigation pipe through the levee, 11 feet below the crown. Concrete fault and screw gate closure on the waterside (WS). Concrete gate riser on the WS. 10-foot by 9-foot concrete box. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 505, 1971].
FS Date: 8/5/2020 3:59:20 PM

LM Start	9.49	Rating **	M	Issue No.	43 (cont)
LM End	9.49	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60172_87468.jpg



overview of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_60172_87469.jpg



standpipe with pressure relief vent

* 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	
--	--	---	--	---	--

Sacramento Maintenance Yard Cache Creek

Page 19 of 20

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/08/2021 09/08/2021	Zach Jojola

LM Start	9.51	Rating **	M	Issue No.	44 (cont)
LM End	9.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.678210 °	38.678210 °
				-121.709318 °	-121.709318 °
DWR ID	17107				

Photo 2 of 3 : UCIP_FA_2021_60175_87481.jpg



waterside slope

LM Start	9.51	Rating **	M	Issue No.	44 (cont)
LM End	9.51	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_60175_87482.jpg



landside slope with 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
--	--	---	---

**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	3/9/2021 - 3/9/2021		9/8/2021 - 9/8/2021	
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 2021

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	09/08/2021 09/08/2021	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 where previous access ramp was located. 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					

Photo 1 of 1 : FA_2021_ST0001_261_3_20210908_00001.jpg



View of erosion at end of levee unit. Fall 2021.

* 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
--	---	---