

Flood Control Project Maintenance Levee Inspections

Fall 2021 Levee Maintenance Deficiency Summary Report

Sacramento River Basin

ST0011	Overall LMA Rating	Total LMA Miles							
Sacramento Maintenance Yard West Levee Yolo Bypass	A	9.01							
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									
Encroachments					5.32				
Supplemental									
DWR UCIP Field Study					0.21	0.02			
DWR UCIP LMA Responsibility									
LMA Totals:	0.00	0.00	0.00	0.00%	5.53	0.02	0.00	0.00	
Unit No. 01 West Levee RB	Overall Unit Rating	Total Unit Miles							
ST0011	A	2.73							
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									
Encroachments					2.50				
Unit Totals:	0.00	0.00	0.00	0.00%	2.50	0.00	0.00	0.00	
Unit No. 02 West Levee RB	Overall Unit Rating	Total Unit Miles							
ST0011	A	1.52							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Encroachments					0.93				
Unit Totals:	0.00	0.00	0.00	0.00%	0.93	0.00	0.00	0.00	
Unit No. 03 West Levee RB	Overall Unit Rating	Total Unit Miles							
ST0011	A	1.15							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Supplemental									
DWR UCIP Field Study					0.01	0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.01	0.00	0.00	
Unit No. 04 West Levee RB	Overall Unit Rating	Total Unit Miles							
ST0011	A	3.61							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Encroachments					1.89				
Supplemental									
DWR UCIP Field Study					0.20	0.01			
DWR UCIP LMA Responsibility									
Unit Totals:	0.00	0.00	0.00	0.00%	2.09	0.01	0.00	0.00	

Flood Control Project Maintenance Levee Inspections LMA District Cover Sheet

Sacramento Maintenance Yard West Levee Yolo Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

**** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.**

†

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

[illegible]

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

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	2.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/15/2021 - 3/15/2021		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 West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/08/2021 09/08/2021	Zach Jojola

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_ST0011_01_f _ 2021_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				o
					o
DWR ID	DWR_ST0011_01_s_2013_6				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_ST0011_01_s_2013_7				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a written flood response plan and regular flood response training.					

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.12	Rating **	M	Issue No.	10
LM End	1.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.758827 °	38.738955 °
				-121.665492 °	-121.660280 °
DWR ID	DWR_ST0011_01_f_2016_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2021_ST0011_291_10_20210907_00004.jpg



View of fence at landside toe. Spring 2021.

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.747888 °	38.734972 °
				-121.660202 °	-121.660265 °
DWR ID	DWR_ST0011_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : FA_2021_ST0011_291_8_20210907_00002.jpg



View of ditch at landside toe. Spring 2021.

LM Start	1.70	Rating **	M	Issue No.	9
LM End	1.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.736842 °	38.735498 °
				-121.660285 °	-121.660287 °
DWR ID	DWR_ST0011_01_f_2016_9				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2021_ST0011_291_9_20210908_00011.jpg



View of fence near landside ditch and toe road. 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/08/2021 09/08/2021	Zach Jojola

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724853 °	38.724228 °
				-121.663647 °	-121.665137 °
DWR ID	DWR_ST0011_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : FA_2021_ST0011_291_4_20210907_00001.jpg



View of the ditch at the toe of the levee on the landward side. Fall 2020.

LM Start	2.63	Rating **	A/W	Issue No.	11	
LM End	2.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °	
				-121.663702 °	-121.663702 °	
DWR ID	17742					
Comment Code						
Inspector Comment						
DS_ID:17742 FS_ID:60644 EP_NO: 10284 Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 11/16/2018 Pipe is Grouted. (T. Skidgel - DWR Sacramento Yard)04/10/2014 Screw gates where removed and pipe was abanded by farmer, How pipe was abanded is unknown. (T. Skidgel - DWR Sacramento Yard)10/17/2012 Slide gate not found. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.63, listed as two 42-inch pipes). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 16 November 2018, (Station 133+82), listed as two 42-inch CMP]. FS Date: 11/16/2018 2:17:00 PM						

Photo 1 of 3 : UCIP_FA_2021_60644_60304.jpg



Waterside view: overview (pipe not 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/08/2021 09/08/2021	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	11 (cont)
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °
				-121.663702 °	-121.663702 °
DWR ID	17742				

Photo 2 of 3 : UCIP_FA_2021_60644_60303.jpg



Landside view: concrete spillbox/headwall and pipe (top view)

LM Start	2.63	Rating **	A/W	Issue No.	11 (cont)
LM End	2.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_60644_60302.jpg



Landside view: side of concrete spillbox/headwall

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/08/2021 09/08/2021	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	12
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.724811 °	38.724811 °	
			-121.663736 °	-121.663736 °	
DWR ID	17747				

Comment Code

Inspector Comment

DS_ID:17747
FS_ID:60648
EP_NO: 10284
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 10/14/2014 Screw gate removed and pipe abandon by farmer, How pipe was abandoned is unknown. (T. Skidgel - DWR Sacramento Yard)10/17/2012 No slide gate found. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.63, listed as two 42-inch pipes). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 16 November 2018, (Station 133+82), listed as two 42-inch CMPs].
FS Date: 11/16/2018 2:19:00 PM

LM Start	2.64	Rating **	A/W	Issue No.	12 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_60648_60309.jpg



Waterside view: overview

Photo 2 of 3 : UCIP_FA_2021_60648_60308.jpg



Landside view: concrete spill box

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/08/2021 09/08/2021	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	12 (cont)
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.724811 °	38.724811 °
				-121.663736 °	-121.663736 °
DWR ID	17747				

Photo 3 of 3 : UCIP_FA_2021_60648_60307.jpg



Landside view: CM pipe with flap gate

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

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 02 West Levee			Right	1.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/15/2021 - 3/15/2021		9/8/2021 - 9/8/2021	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Craig DeNatly DWR		Craig DeNatly DWR	

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	3
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.712813 °	38.706018 °
				-121.667349 °	-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is approximately 10 ft deep.					

Photo 1 of 1 : FA_2021_ST0011_292_3_20210907_00002.jpg



View of ditch at landside toe. Spring 2021.

LM Start	1.01	Rating **	M	Issue No.	5
LM End	1.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.705475 °	38.699637 °
				-121.671135 °	-121.674112 °
DWR ID	DWR_ST0011_02_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : FA_2021_ST0011_292_5_20210908_00003.jpg



View of ditch at landside toe. Fall 2021.

LM Start	1.31	Rating **	C	Issue No.	1
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.701480 °	38.701480 °
				-121.673238 °	-121.673238 °
DWR ID	DWR_ST0011_02_s_2021_1				
Comment Code					
A1 : Exterminate rodents and 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
Unit Cover Sheet**

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 03 West Levee			Right	1.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/15/2021 - 3/15/2021		9/8/2021 - 9/8/2021	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Craig DeNatly DWR		Craig DeNatly DWR	

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	6	
LM End	0.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.698204 °	38.698204 °	
				-121.674080 °	-121.674080 °	
DWR ID	17756					
Comment Code						
Inspector Comment						
DS_ID:17756 FS_ID:60672 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 08/20/2020 Need to obtain a copy of USACE Drawing As-Built listed under additional references. Drawing information was listed by previous inspector. (O. Magana - DWR UCIP) 10/17/2012 Pipe not properly abandoned. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation or drainage pipe through the levee, 3 feet below the crown. [Additional Reference(s): USACE Drawing referenced as Station 74+00, As-Built Drawing: USACE, Sacramento Districts. Levee Repair- Cache Creek Settling Basin, Wahler Associates, May 1991] FS Date: 11/21/2018 8:24:00 AM						

LM Start	0.03	Rating **	M	Issue No.	6 (cont)
LM End	0.03	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60672_60378.jpg



Waterside view: an abandoned steel pipe.

Photo 2 of 3 : UCIP_FA_2021_60672_60377.jpg



Landside view: an abandoned steel pipe.

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

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	6 (cont)
LM End	0.03	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.698204 °	38.698204 °	
			-121.674080 °	-121.674080 °	
DWR ID	17756				

Photo 3 of 3 : UCIP_FA_2021_60672_77496.jpg



LS: straight through pipe without any gates preventing water from WS to LS.

LM Start	0.06	Rating **	A	Issue No.	5
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.697791 °	38.697791 °
				-121.674036 °	-121.674036 °
DWR ID	DWR_ST0011_03_f_2021_5				
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_2021_ST0011_293_5_20210908_00008.jpg



View of maintained waterside slope. Fall 2021.

LM Start	0.59	Rating **	C	Issue No.	3
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.690035 °	38.690035 °
				-121.673706 °	-121.673706 °
DWR ID	DWR_ST0011_03_s_2021_3				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/08/2021 09/08/2021	Zach Jojola

LM Start	0.69	Rating **	C	Issue No.	4
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.688564 °	38.688564 °
				-121.673731 °	-121.673731 °
DWR ID	DWR_ST0011_03_s_2021_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	1.44	Rating **	U	Issue No.	7
LM End	1.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677762 °	38.677762 °
				-121.672875 °	-121.672875 °
DWR ID	17754				
Comment Code					
Inspector Comment					
DS_ID:17754 FS_ID:60671 EP_NO: 10295 Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 08/20/2020 Need to obtain a copy of USACE Drawing As-Built listed under additional references. Drawing information was listed by previous inspector. (O. Magana - DWR UCIP) 04/09/2019 Internal inspection was completed and the inspection shows separation of pipe at 22 degree turn. Sink hole visible on LS slope. Coordinating with DMP - Vince Rodriguez. Recommend repair or replace. (T. Skidgel - DWR Sacramento Yard)10/17/2012 Found 48-inch CMP (not concrete culvert) and slide gate not found on LS end. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal pipe (CMP) sewer culvert through the levee, 18 feet below the crown. Slide gate on the landside (LS) end. (48-inch concrete culvert authorized under Automatic Board Order (ABO) issued as Permit No. 10295, 1974 - City of Woodland). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.45, listed as 48-inch concrete culvert). USACE As-Built Drawing No. 50-04-3227, Sheet 14, just south of STA 882+00, March 11, 1960, listed as 48-inch CMP]. FS Date: 4/9/2019 8:58:00 AM					

Photo 1 of 3 : UCIP_FA_2021_60671_60391.jpg



Waterside view: flap gate and concrete headwall. Abandoned slide gate on right.

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/08/2021 09/08/2021	Zach Jojola

LM Start	1.44	Rating **	U	Issue No.	7 (cont)
LM End	1.44	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.677762 °	38.677762 °	
			-121.672875 °	-121.672875 °	
DWR ID	17754				

Photo 2 of 3 : UCIP_FA_2021_60671_60390.jpg



Waterside view: flap gate and concrete headwall.

LM Start	1.44	Rating **	U	Issue No.	7 (cont)
LM End	1.44	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_60671_60389.jpg



Waterside view: 48-inch flap gate.

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

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 04 West Levee			Right	3.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/12/2021 - 3/12/2021		9/22/2021 - 9/22/2021	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Mike Engelmann 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 West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	7	
LM End	0.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.574316 °	38.574316 °	
				-121.638752 °	-121.638752 °	
DWR ID	17695					
Comment Code						
Inspector Comment						
DS_ID:17695 FS_ID:60245 EP_NO: 16309 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Indicator Found UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. (O.Yakimov - DWR UCIP)09/20/2012 Indicators found on both sides of the levee. This crossing was found during field survey of ST 12 Unit 2. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 20-inch coated steel natural gas pipeline under both levees and within the Yolo Bypass, at an unknown depth. Indicators found on both sides of the levee. (20-inch pipeline authorized under Permit No. 16309, 1995 - Sacramento Municipal Utility District [SMUD] and Ford, Bacon, and Davis, Inc.). FS Date: 11/7/2019 1:10:00 PM						

LM Start	0.00	Rating **	M	Issue No.	7 (cont)
LM End	0.00	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60245_83274.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2021_60245_83275.jpg



Waterside view: a gasline marker on WS 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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Levee Inspection Report By Mile - Fall 2021

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.574316 °	38.574316 °	
				-121.638752 °	-121.638752 °	
DWR ID	17695					

A yellow and red striped survey flag is planted in a gravelly field. In the background, a dirt road curves through a dry, brown landscape under a clear sky.

Landside view: a gasline marker on LS slope

LM Start	0.52	Rating **	M	Issue No.	8
LM End	0.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.566884 °	38.566884 °
				-121.638899 °	-121.638899 °
DWR ID	19990				

Comment Code

Inspector Comment

DS_ID:19990
FS_ID:60246
EP_NO: 10821
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Indicator Found
UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. (O. Yakimov - DWR UCIP)10/18/2012 Indicators found on both sides of the levee. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel natural gas line crossing under the right bank (west) levee of the Yolo Bypass, at an unknown depth. 5 miles northeasterly of the city of Davis. Indicators found on both sides of the levee. (16-inch gas line was authorized under Permit No. 10821, 1975 - Pacific Gas and Electric Company (PG&E) as a replacement of existing 8-inch gas line)
FS Date: 11/7/2019 3:07:00 PM

Waterside view: gasoline marker on WS slope of the levee

* 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 West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.52	Rating **	M	Issue No.	9 (cont)
LM End	0.52	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.566842 °	38.566842 °	
			-121.638894 °	-121.638894 °	
DWR ID	524				

Photo 2 of 2 : UCIP_FA_2021_60277_83280.jpg



Landside view: gasline marker in LS field

LM Start	0.53	Rating **	M	Issue No.	10
LM End	0.53	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.566630 °	38.566630 °	
			-121.638870 °	-121.638870 °	
DWR ID	19991				

Comment Code

Inspector Comment

DS_ID:19991
FS_ID:60248
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Not Found
UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent, unable to locate a sign found during prior inspection on LS shoulder that mentions abandoned pipe. Updated to Not Found. No maintenance records were available to determine current status of line through the levee. (O.Yakimov - DWR UCIP)10/18/2012 Only a sign found on landside of the levee. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 14-inch steel natural gas pipeline through the levee, at an unknown depth. Sign on the landside (LS) shoulder.
FS Date: 11/7/2019 3:13:00 PM

Photo 1 of 1 : UCIP_FA_2021_60248_50974.jpg



Landside view: a sign mentioning about the pipe.

*** 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 West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.54	Rating **	U	Issue No.	11
LM End	0.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.566520 °	38.566520 °
				-121.638870 °	-121.638870 °
DWR ID	569				
Comment Code					
Inspector Comment					
DS_ID:569 FS_ID:60250 EP_NO: 16096 Repair Type: Urgent EVAL Issue: Flood Risk Crossing Status: Found UCIP Comments: 11/07/2019 Flap gate at WS headwall not closing completely. A wooden stick on the top prevents flap gate closing leaving space for backflow. Provide maintenance on flap gate. About 20-foot long surface cracking observed on levee crown closer to LS shoulder. Not sure if cracking is related to this crossing (potential levee damage concern). (O.Yakimov - DWR UCIP)10/18/2012 The culvert was constructed in 1993. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 60-inch by 60-inch reinforced concrete box gravity drainage culvert through the right bank (west) levee of the Yolo Bypass, 20 feet below the crown. 60-inch by 60-inch culvert replaced an existing 30-inch gravity drain pipeline. (60-inch by 60-inch culvert authorized under Permit No. 16096, 1993 - Yolo County Flood Control and Water Conservation District, square culvert installed about 28 feet south of existing 30-inch pipe). FS Date: 11/7/2019 3:23:00 PM					

Photo 1 of 3 : UCIP_FA_2021_60250_83281.jpg



View of WS slope looking towards levee

LM Start	0.54	Rating **	U	Issue No.	11 (cont)
LM End	0.54	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_60250_83282.jpg



View of LS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.54	Rating **	U	Issue No.	11 (cont)
LM End	0.54	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.566520 °	38.566520 °	
			-121.638870 °	-121.638870 °	
DWR ID	569				

Photo 3 of 3 : UCIP_FA_2021_60250_83283.jpg



Malfunctioning flap gate at WS levee toe

LM Start	0.57	Rating **	M	Issue No.	12
LM End	0.57	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.566086 °	38.566086 °	
			-121.638828 °	-121.638828 °	
DWR ID	19987				

Comment Code

Inspector Comment

DS_ID:19987
 FS_ID:60252
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment
 Crossing Status: Indicator Found
 UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. Permit is not available for this crossing. (O.Yakimov - DWR UCIP)
 10/18/2012 Cable marker/flags found on both sides of the levee. (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: Communications conduit of an unknown size or material through the levee, at an unknown depth. (Sure West Communications).
 FS Date: 11/7/2019 7:44:00 AM

Photo 1 of 3 : UCIP_FA_2021_60252_83288.jpg



Line marker in the field on WS

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	12 (cont)
LM End	0.57	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.566086 °	38.566086 °	
			-121.638828 °	-121.638828 °	
DWR ID	19987				

Photo 2 of 3 : UCIP_FA_2021_60252_50982.jpg



Waterside view: mini flag/marker

LM Start	0.57	Rating **	M	Issue No.	12 (cont)
LM End	0.57	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_60252_50983.jpg



Landside view: ground marking

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	13	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.566053 °	38.566053 °	
				-121.638782 °	-121.638782 °	
DWR ID	17734					
Comment Code						
Inspector Comment						
DS_ID:17734 FS_ID:60255 EP_NO: 6810 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. This record is a duplicate of one of the following: DSID 527 or DSID 17741. (O.Yakimov - DWR UCIP)06/19/2013 No indicators. Was this gas line installed? Need to contact Getty Oil Co. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: *DUPLICATE* To install a 4.5-inch somastic coated natural gas line through the levee, 3 feet below the crown and slopes. (4.5-inch pipe authorized under Permit No. 6810, 1969 - Getty Oil Company). FS Date: 11/7/2019 8:09:00 AM						

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.59	Rating **	M	Issue No.	14
LM End	0.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565798 °	38.565798 °
				-121.638686 °	-121.638686 °
DWR ID	526				

Comment Code

Inspector Comment

DS_ID:526
FS_ID:60278
EP_NO: 10302
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Indicator Found
UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)10/18/2012 ATT communication marker on both sides of the levee. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, at an unknown depth. (Telephone conduit authorized under Automatic Board Order (ABO) issued as Permit No. 10302, 1974 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 2004, (HLM 0.62, listed as buried cable)].
FS Date: 11/7/2019 8:12:00 AM

LM Start	0.59	Rating **	M	Issue No.	14 (cont)
LM End	0.59	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60278_83292.jpg



Closeup view of a marker flag

Photo 2 of 3 : UCIP_FA_2021_60278_83293.jpg



Landside view: marker flags on levee road shoulder

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.59	Rating **	M	Issue No.	15 (cont)
LM End	0.59	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.565784 °	38.565784 °	
			-121.638683 °	-121.638683 °	
DWR ID	572				

Photo 2 of 3 : UCIP_FA_2021_60259_83296.jpg



Landside view: gasline markers

LM Start	0.59	Rating **	M	Issue No.	15 (cont)
LM End	0.59	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_60259_83297.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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	16	
LM End	0.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.565780 °	38.565780 °	
				-121.638652 °	-121.638652 °	
DWR ID	580					
Comment Code						
Inspector Comment						
DS_ID:580 FS_ID:60260 EP_NO: 17024 Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing markers not found. Conduit is not within levee prism. Record updated from No Action Needed to Non-Urgent. (O.Yakimov - DWR UCIP) 06/19/2013 No indicators found (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 10-inch high-density polyethylene (HDPE) fiber optics conduit across and bored under the Yolo Bypass, its levees, and Tule Creek, at an unknown depth. (10-inch conduit authorized under Permit No. 17024, 1999 - Level 3 Communications). FS Date: 11/7/2019 8:22:00 AM						

No Photos

LM Start	0.60	Rating **	M	Issue No.	17
LM End	0.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565780 °	38.565780 °
				-121.638652 °	-121.638652 °
DWR ID	581				
Comment Code					
Inspector Comment					
DS_ID:581 FS_ID:60261 EP_NO: 17143 Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing markers not found. Conduit is not within levee prism. Record updated from No Action Needed to Non-Urgent. (O.Yakimov - DWR UCIP) 06/19/2013 No indicators found. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: 8-inch steel fiber optics conduit across and bored under the Yolo Bypass, its levees, and Tule Canal. The conduit depth is minimum 50 feet below the West Levee crown. (8-inch high-density polyethylene (HDPE) conduit authorized under Permit No. 17143, 2000 - Williams Communications). FS Date: 11/7/2019 8:23:00 AM					

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	18
LM End	0.60	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.565704 °	38.565704 °	
			-121.638650 °	-121.638650 °	
DWR ID	528				

Comment Code

Inspector Comment

DS_ID:528
FS_ID:60660
EP_NO: 10304
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004, (HLM 0.63, listed as a 30-inch pipe). USACE Sacramento O&M Manual, Unit 120, June 1952, Revised 29 December 2016, (Station 446+08), listed as 30-inch CMP. USACE As-Built Drawing No. 50-04-2281, Sheet 5, page 5 of 5 pdf file, January 1947].
FS Date: 11/7/2019 8:24:00 AM

LM Start	0.60	Rating **	M	Issue No.	18 (cont)
LM End	0.60	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_60660_83298.jpg



View of WS slope looking towards levee

Photo 2 of 3 : UCIP_FA_2021_60660_83300.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	18 (cont)
LM End	0.60	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.565704 °	38.565704 °	
			-121.638650 °	-121.638650 °	
DWR ID	528				

Photo 3 of 3 : UCIP_FA_2021_60660_83299.jpg



Pipe and flap gate at WS levee toe

LM Start	0.60	Rating **	M	Issue No.	19
LM End	0.60	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.565667 °	38.565667 °	
			-121.638637 °	-121.638637 °	
DWR ID	577				

Comment Code

Inspector Comment

DS_ID:577
 FS_ID:60263
 EP_NO: 5859
 Repair Type: Non-Urgent
 EVAL Issue: Safety Issue
 Crossing Status: Indicator Found
 UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. (O.Yakimov - DWR UCIP)10/18/2012
 Petroleum pipeline markers found on both sides of the levee. CHECK COORDINATES (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: 14-inch coated steel petroleum pipeline through the levees and across the channel of the Yolo Bypass, 3.5 feet below the crown. Petroleum pipeline markers found on both sides of the levee. (Petroleum pipeline authorized under Permit No. 5859, 1967 - Southern Pacific Pipe Lines, Inc.).
 FS Date: 11/7/2019 9:00:00 AM

Photo 1 of 3 : UCIP_FA_2021_60263_83304.jpg



Landside view: petroleum line 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	19 (cont)
LM End	0.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565667 °	38.565667 °
				-121.638637 °	-121.638637 °
DWR ID	577				

Photo 2 of 3 : UCIP_FA_2021_60263_83305.jpg



View of LS looking from levee crown

LM Start	0.60	Rating **	M	Issue No.	19 (cont)
LM End	0.60	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_60263_83306.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	20	
LM End	0.62	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.565489 °	38.565489 °	
				-121.638513 °	-121.638513 °	
DWR ID	527					
Comment Code						
Inspector Comment						
DS_ID:527 FS_ID:60279 EP_NO: 6810 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records are available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/11/2014 Need to contact owner to determine status of pipeline and provide markers if appropriate. (C. Lund - DWR Sacramento Yard)06/20/2013 found no indicators at this site. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: 1 of 2: 4.5-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. (4.5-inch pipeline authorized under Permit No. 6810, 1969 - Getty Oil Company). [Additional Reference(s): DWR Levee Log, 2004, (HLM 0.63, listed as two 4.5-inch gas lines)]. FS Date: 11/7/2019 9:21:00 AM						

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	21	
LM End	0.62	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.565473 °	38.565473 °	
				-121.638505 °	-121.638505 °	
DWR ID	17741					
Comment Code						
Inspector Comment						
DS_ID:17741 FS_ID:60280 EP_NO: 7230 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records are available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/11/2014 Need to contact owner to determine status of crossing and install signs if it is appropriate to do so. (C. Lund - DWR Sacramento Yard)06/20/2013 found no indicators at this site. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: 2 of 2: 4.5-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. (4.5-inch pipeline authorized under Permit No. 7230, 1970 - Getty Oil Company). [Additional Reference(s): DWR Levee Log, 2004, (HLM 0.63, listed as two 4.5-inch gas lines)]. FS Date: 11/7/2019						

No Photos

LM Start	0.91	Rating **	M	Issue No.	6
LM End	1.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561233 °	38.559502 °
				-121.638182 °	-121.637810 °
DWR ID	DWR_ST0011_04_s_2015_6				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : FA_2021_ST0011_294_6_20210922_00039.jpg



View of ditch at landside toe. 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	22	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.560139 °	38.560139 °	
				-121.638007 °	-121.638007 °	
DWR ID	530					
Comment Code						
Inspector Comment						
DS_ID:530 FS_ID:60267 EP_NO: 6844 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records are available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/11/2014 Need to contact owner to determine status of crossing and add markers if it is appropriate to do so. (C. Lund - DWR Sacramento Yard)06/20/2013 I found no indicators at this site. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: 1 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004, (HLM 1.02, listed as three 3-inch gas lines)]. FS Date: 11/7/2019 9:29:00 AM						

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	23	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.560128 °	38.560128 °	
				-121.638004 °	-121.638004 °	
DWR ID	17739					
Comment Code						
Inspector Comment						
DS_ID:17739 FS_ID:60268 EP_NO: 6844 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records are available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/11/2014 Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. (C. Lund - DWR Sacramento Yard)06/20/2013 I found no indicators at this site. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: 2 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004, (HLM 1.02, listed as three 3-inch gas lines)]. FS Date: 11/7/2019 9:30:00 AM						

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	24
LM End	0.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.560117 °	38.560117 °	
			-121.638001 °	-121.638001 °	
DWR ID	17740				
Comment Code					
Inspector Comment					
DS_ID:17740 FS_ID:60655 EP_NO: 6844 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records are available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/11/2014 Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. (C. Lund - DWR Sacramento Yard)06/20/2013 I found no indicators at this site. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: 3 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004, (HLM 1.02, listed as three 3-inch gas lines)]. FS Date: 11/7/2019 9:31:00 AM					

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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	1.61	Rating **	M	Issue No.	25
LM End	1.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.552595 °	38.552595 °
				-121.631763 °	-121.631763 °
DWR ID	583				

Comment Code

Inspector Comment

DS_ID:583
FS_ID:55957
EP_NO: 16846
Repair Type: Non-Urgent
EVAL Issue: Alignment Missing
Crossing Status: Not Found
UCIP Comments: 11/07/2019 Record updated to Non-Urgent. Current status of permit 16846 doesn't show that construction has been completed. Unable to confirm installation of gas line through the levee. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: *NOT INSTALLED* To directionally bore a 2-inch coated steel natural gas pipeline under the right bank (west) levee of the Yolo Bypass, at an unknown depth. Also, to drill two natural gas wells. (two 3-inch gas lines under the right bank (west) levee and the bypass were authorized under Permit No. 16846, 1998 - Slawson Exploration/Irani Engineering; permit recordation, Permit Inspection Sheet, indicate no work done as of April 18, 2001).
FS Date: 11/7/2019 10:39:52 AM

LM Start	1.61	Rating **	M	Issue No.	25 (cont)
LM End	1.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_55957_83314.jpg



View of levee crown at potential crossing

Photo 2 of 3 : UCIP_FA_2021_55957_83315.jpg



View of LS looking from levee crown. A yellow marker on LS shoulder

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	1.61	Rating **	M	Issue No.	25 (cont)
LM End	1.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.552595 °	38.552595 °	
			-121.631763 °	-121.631763 °	
DWR ID	583				

Photo 3 of 3 : UCIP_FA_2021_55957_83316.jpg



Yellow marker in the field on LS on the other side of irrigation canal

LM Start	1.77	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.550387 °	38.536958 °
				-121.631257 °	-121.631450 °
DWR ID	DWR_ST0011_04_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : FA_2021_ST0011_294_3_20210907_00001.jpg



View of the ditch along the levee toe 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 West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	2.10	Rating **	M	Issue No.	26
LM End	2.10	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.545646 °	38.545646 °	
			-121.631172 °	-121.631172 °	
DWR ID	17736				

Comment Code

Inspector Comment

DS_ID:17736
FS_ID:60661
EP_NO: 10306
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Modification or Non-Compliant Permit
Crossing Status: Found
UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. Permit authorizing crossing modification is not available. (O.Yakimov - DWR UCIP)06/20/2013 Farmer cleans this screw gate every year. (C. Lund - DWR Sacramento Yard)10/18/2012 Outlet pipe blocked half way by mud and debris on WS of the levee. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Slide gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 December 2016, (Station 80+00), listed as 48-inch CMP. USACE As-Built Drawing No. 50-04-2280, Sheet 1, page 1 of 2 pdf file, May 1946].
FS Date: 11/7/2019

LM Start	2.10	Rating **	M	Issue No.	26 (cont)
LM End	2.10	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_60661_83249.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2021_60661_83250.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	2.10	Rating **	M	Issue No.	26 (cont)
LM End	2.10	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.545646 °	38.545646 °	
			-121.631172 °	-121.631172 °	
DWR ID	17736				

Photo 3 of 3 : UCIP_FA_2021_60661_83251.jpg



Slide gate and pipe outlet on waterside

LM Start	2.23	Rating **	M	Issue No.	27
LM End	2.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.543645 °	38.543645 °	
			-121.631199 °	-121.631199 °	
DWR ID	532				

No Photos

Comment Code

Inspector Comment

DS_ID:532
 FS_ID:60281
 EP_NO: 13135
 Repair Type: Non-Urgent
 EVAL Issue: Safety Issue
 Crossing Status: Not Found
 UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records were available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)06/20/2013 Need to contact owner to determine status of crossing and add markers if its appropriate to do so. (C. Lund - DWR Sacramento Yard)
 FIELD_STRUCT_DESC: 2-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. (2-inch pipeline authorized under Permit No. 13135, 1981 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2004, (HLM 2.24, 2-inch gas line)].
 FS Date: 11/7/2019 11:02:00 AM

* 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	2.50	Rating **	M	Issue No.	28	
LM End	2.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.539852 °	38.539852 °	
				-121.631247 °	-121.631247 °	
DWR ID	584					
Comment Code						
Inspector Comment						
DS_ID:584 FS_ID:60275 EP_NO: 13350 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Record remains Non-Urgent. No records were available to determine status of line through the levee. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)06/20/2013 Need to contact owner to determine status of crossing and add gasoline markers if its appropriate to do so. (C. Lund - DWR Sacramento Yard) FIELD_STRUCT_DESC: To install a 2-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. (2-inch pipeline authorized under Permit No. 13350, 1982 - TXO Production Corporation). FS Date: 11/7/2019 11:03:00 AM						

No Photos

LM Start	2.75	Rating **	M	Issue No.	4
LM End	3.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.536100 °	38.523807 °
				-121.631425 °	-121.631535 °
DWR ID	DWR_ST0011_04_f_2018_4				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the levee toe on the landward side of the levee.					

Photo 1 of 1 : FA_2021_ST0011_294_4_20210907_00002.jpg



The ditch is at the levee toe 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 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	3.61	Rating **	M	Issue No.	29
LM End	3.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.523660 °	38.523660 °
				-121.631435 °	-121.631435 °
DWR ID	533				

Comment Code

Inspector Comment

DS_ID:533
 FS_ID:60659
 EP_NO: 10306
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 11/07/2019 Record updated from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)10/18/2012 Pipe submerged into water on both sides of the levee. (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 22.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the WS end. (48-inch irrigation pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation).
 [Additional Reference(s): DWR Levee Log, 2004, (HLM 3.61, listed as 48-inch pipe)].
 FS Date: 11/7/2019 11:05:00 AM

LM Start	3.61	Rating **	M	Issue No.	29 (cont)
LM End	3.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_60659_83334.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2021_60659_83335.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2021

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/22/2021 09/22/2021	Zach Jojola

LM Start	3.61	Rating **	M	Issue No.	29 (cont)
LM End	3.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.523660 °	38.523660 °
				-121.631435 °	-121.631435 °
DWR ID	533				

Photo 3 of 3 : UCIP_FA_2021_60659_83336.jpg



Slide gate under water at WS levee 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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