

**Flood Control Project Maintenance
Levee Inspections**

Fall 2022 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					0.03	0.04		
DWR UCIP LMA Responsibility								
LMA Totals:	0.00	0.00	0.00	0.00%	5.35	0.04	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			
Supplemental								
DWR UCIP Field Study					0.01			
DWR UCIP LMA Responsibility								
Unit Totals:	0.00	0.00	0.00	0.00%	2.51	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			
Supplemental								
DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.94	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	0.03		
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.03	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
Fall 2022 Levee Maintenance Deficiency Summary Report**

Sacramento River Basin (cont.)

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	
<i>Earthen Levee</i>									
Encroachments					1.89				
<i>Supplemental</i>									
DWR UCIP Field Study						0.01			
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.89	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

**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	3/15/2022 - 3/15/2022		9/22/2022 - 9/22/2022	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By			Kevin Anfinson 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	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						
OM : O&M Manuals						
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				°	°
					°	°
DWR ID	DWR_ST0011_01_s_2013_6					
Comment Code						
ES : Emergency Supplies & Equipment						
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_f_2022_7				
Comment Code					
FP : Flood Preparedness & Training					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	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_s_ 2022_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2022_ST0011_291_10_20220921_00005.jpg



View of fence at landside toe. Spring 2021.

LM Start	0.23	Rating **	A	Issue No.	16
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.757462 °	38.757462 °
				-121.664454 °	-121.664454 °
DWR ID	DWR_ST0011_01_f_ 2022_16				
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_2022_ST0011_291_16_20220929_00012.jpg



View of maintained waterside slope. Fall 2022.

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_2022_ST0011_291_8_20220921_00003.jpg



View of ditch at landside toe. Spring 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	0.94	Rating **	M	Issue No.	17
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.747879 °	38.747879 °
				-121.660244 °	-121.660244 °
DWR ID	17745				
Comment Code					
Inspector Comment					
DS_ID:17745 FS_ID:72806 EP_NO: 10284 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 02/24/2022 Record is Non-Urgent. Steel plate welded landside pipe end found in drainage ditch. Grout filler tube on the top of pipe, crossing appears abandoned by grouting. Unable to find a permit authorizing abandonment. Another pipe end is visible at riverbank. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate on the waterside (WS) slope. (24-inch pipe [HLM 0.94] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004 (HLM 0.94, listed as 24-inch pipe). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 16 November 2018, (Station 43+95), listed as 24-inch CMP]. FS Date: 2/24/2022 10:15:34 AM					

LM Start	0.94	Rating **	M	Issue No.	17 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_72806_109294.jpg



Water-Side: View of levee slope looking from crown

Photo 2 of 3 : UCIP_FA_2022_72806_109296.jpg



Land-Side: Pipe found in drainage ditch off 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	0.94	Rating **	M	Issue No.	17 (cont)
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.747879 °	38.747879 °	
			-121.660244 °	-121.660244 °	
DWR ID	17745				

Photo 3 of 3 : UCIP_FA_2022_72806_109292.jpg



Land-Side: View of pipe end in drainage ditch

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_2022_ST0011_291_9_20220921_00004.jpg



View of fence near landside ditch and toe road. Fall 2021.

LM Start	1.85	Rating **	A/W	Issue No.	3
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.734579 °	38.734579 °
				-121.660267 °	-121.660267 °
DWR ID	DWR_ST0011_01_s_2022_3				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Location of narrowing waterside toe road. Recommend monitoring for future erosion.					

Photo 1 of 1 : FA_2022_ST0011_291_3_20220921_00001.jpg



View of toe road erosion from the crown. Spring 2022.

* 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.85	Rating **	M	Issue No.	18
LM End	1.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.734568 °	38.734568 °
				-121.660264 °	-121.660264 °
DWR ID	17744				
Comment Code					
Inspector Comment					
DS_ID:17744 FS_ID:72846 EP_NO: 10284 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Non-Urgent. Crossing not found. CMP and steel pipe debris at landside toe. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. Previous inspection comment indicate that pipe was abandoned. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 04/10/2014 This was abandoned by farmer, how Unknown. need to have verified if removed or concreted. (T. Skidgel - DWR Sacramento Yard) 10/17/2012 Found abandoned 42-inch CM pipe on LS berm of the levee. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 25 feet below the crown. Slide gate on the waterside (WS) end. (42-inch pipe [HLM 1.85] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.85, listed as 42-inch pipe). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 16 November 2018, (Station 92+35), listed as 42-inch CMP]. FS Date: 2/24/2022					

Photo 1 of 3 : UCIP_FA_2022_72846_109326.jpg



Top of Levee: View of levee crown looking upstream

* 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.85	Rating **	M	Issue No.	18 (cont)
LM End	1.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.734568 °	38.734568 °
				-121.660264 °	-121.660264 °
DWR ID	17744				

Photo 2 of 3 : UCIP_FA_2022_72846_109325.jpg



Land-Side: View of levee slope looking from crown. Pipe debris at levee toe

LM Start	1.85	Rating **	M	Issue No.	18 (cont)
LM End	1.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_72846_109324.jpg



Water-Side: View of levee crown looking from crown. No evidence of 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.86	Rating **	M	Issue No.	19	
LM End	1.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.734543 °	38.734543 °	
				-121.660264 °	-121.660264 °	
DWR ID	17743					
Comment Code						
Inspector Comment						
DS_ID:17743 FS_ID:72852 EP_NO: 6306 Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Non-Urgent. Siphon breaker riser needs to have top cover restored. (O.Yakimov - DWR UCIP) 10/17/2012 Walkway on LS to pump is in poor structural condition. Seems pump has been used for dual purpose. There is another pipe (approx. 12-inch) found near the pump crossing the ditch. (T. Skidgel - DWR UCIP)10/17/2012 The pipe is about 18-ft below the crown. Seems pump has been used for dual purpose. There is another pipe (approx. 12-inch) found near the pump crossing the ditch. Two closing valves also found in pumping station. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 20-inch coated steel drainage pipe through the levee, 5.8 feet below the crown. Pump and switch panel at the landside (LS) toe. Siphon breaker on the LS slope. Butterfly valves at pump on the LS toe. (20-inch pipe replaced under Permit No. 6306, 1968 - William P. Wilson). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.85, listed as 20-inch pipe). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 16 November 2018, (Station 92+31.5), listed as 20-inch steel]. FS Date: 2/24/2022 3:22:03 PM						

Photo 1 of 3 : UCIP_FA_2022_72852_109328.jpg



Top of Levee: View of levee crown looking downstream

LM Start	1.86	Rating **	M	Issue No.	19 (cont)
LM End	1.86	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2022_72852_109329.jpg



Land-Side: View of levee slope looking from crown. Drainage ditch off 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.86	Rating **	M	Issue No.	19 (cont)
LM End	1.86	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.734543 °	38.734543 °
				-121.660264 °	-121.660264 °
DWR ID	17743				

Photo 3 of 3 : UCIP_FA_2022_72852_109327.jpg



Land-Side: Pump on pile structure, pipe with closure device at drainage ditch

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_2022_ST0011_291_4_20220921_00002.jpg



View of the ditch at the toe of the levee on the landward side. Fall 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	2.63	Rating **	M	Issue No.	20	
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:72854 EP_NO: 10284 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Non-Urgent. Crossing appears grouted. Grout filler tube on the top of pipe at concrete distribution box on landside. Marks of concrete around pipe. Unable to find a permit and confirm that pipe was properly abandoned. No signs of pipe on waterside. (O.Yakimov - DWR UCIP) 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: 2/24/2022 3:30:41 PM						

LM Start	2.63	Rating **	M	Issue No.	20 (cont)
LM End	2.63	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_72854_109335.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2022_72854_109332.jpg



Water-Side: View of levee slope looking from crown. Pipe not found on 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	2.63	Rating **	M	Issue No.	20 (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 3 of 3 : UCIP_FA_2022_72854_109331.jpg



Land-Side: View of levee slope looking from crown, concrete distribution box at 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	2.64	Rating **	M	Issue No.	21	
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:72858 EP_NO: 10284 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Non-Urgent. Crossing appears grouted. Grout filler tube on the top of pipe at concrete distribution box on landside. Marks of concrete around pipe. Unable to find a permit and confirm that pipe was properly abandoned. No signs of pipe on waterside. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. (O.Yakimov - DWR UCIP) 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 Borda 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: 2/24/2022 3:41:05 PM						

Photo 1 of 3 : UCIP_FA_2022_72858_109337.jpg



Top of Levee: View of levee crown looking upstream

* 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/22/2022 09/22/2022	Zach Jojola

LM Start	2.64	Rating **	M	Issue No.	21 (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 2 of 3 : UCIP_FA_2022_72858_109339.jpg



Water-Side: View of levee slope looking from crown. Pipe not found on waterside

LM Start	2.64	Rating **	M	Issue No.	21 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_72858_109338.jpg



Land-Side: View of levee slope looking from crown, concrete distribution box at 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
--	--	---	---

**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	3/15/2022 - 3/15/2022		9/22/2022 - 9/22/2022	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By			Kevin Anfinson 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/22/2022 09/22/2022	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_2022_ST0011_292_3_20220921_00001.jpg



View of ditch at the landside toe. Spring 2022.

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_2022_ST0011_292_5_20220929_00003.jpg



View of ditch at the landside toe. Fall 2022.

*** 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.31	Rating **	M	Issue No.	6	
LM End	1.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.701495 °	38.701495 °	
				-121.673225 °	-121.673225 °	
DWR ID	17748					
Comment Code						
Inspector Comment						
DS_ID:17748 FS_ID:72996 EP_NO: 16507 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Indicator Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Urgent. Crossing not found. Pump and slide gate in landside ditch have been removed. Pipe under steel walkway and in irrigation ditch on waterside have been removed, only slide gate in the ditch is visible. Unable to find a permit for modification. Steel walkway on waterside is in failing condition. (O.Yakimov - DWR UCIP) 10/17/2012 Slide gate on landside and waterside of the levee. Dual purpose pumping station. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch coated steel storm drainage discharge pipeline under the right bank (west) levee of the Yolo Bypass, 18.2 feet below the crown. 34-inch steel pipe inside the 36-inch pipe. Fill the annular space between the pipes with grout. Slide gate on the waterside (WS) slope. Pump mounted on concrete block sump at the landside (LS) toe. (36-inch pipeline authorized under Permit No. 16507, 1995 - Joe Heidrick Enterprises, Inc., and Permit No. 3213, 1959 - B. and J. Farms). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.30, listed as 36-inch pipe). USACE As-Built Drawing No. 50-04-2185, October 1943, Sheet 1, upstream of STA 272+00, listed as 36-inch CMP]. FS Date: 2/24/2022 10:02:20 AM						

LM Start	1.31	Rating **	M	Issue No.	6 (cont)
LM End	1.31	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2022_72996_109373.jpg



Water-Side: View of abandoned slide gate in irrigation ditch

Photo 2 of 3 : UCIP_FA_2022_72996_109374.jpg



Water-Side: View of steel walkway and abandoned slide gate in irrigation 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.31	Rating **	M	Issue No.	6 (cont)
LM End	1.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.701495 °	38.701495 °
				-121.673225 °	-121.673225 °
DWR ID	17748				

Photo 3 of 3 : UCIP_FA_2022_72996_109376.jpg



Land-Side: Pumping facility at the ditch. Service pole with electrical pannel in failing condition

* 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 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	3/15/2022 - 3/15/2022		9/22/2022 - 9/22/2022	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By			Kevin Anfinson 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	9	
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:73243 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 02/24/2022 Record remains Non-Urgent. Pipe is open on waterside. Recommend capping the pipe. Sediment buildup inside the pipe. (O.Yakimov - DWR UCIP) 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]. (24-inch steel irrigation pipes at 5 locations authorized under Permit No. 12705, 1979 - Layton Knaggs. Permit was administratively closed). FS Date: 2/24/2022 10:58:56 AM						

LM Start	0.03	Rating **	M	Issue No.	9 (cont)
LM End	0.03	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2022_73243_109714.jpg



Water-Side: View of levee slope looking from crown

Photo 2 of 3 : UCIP_FA_2022_73243_109711.jpg



Water-Side: Pipe end is open on levee slope

* 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	9 (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_2022_73243_109709.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.24	Rating **	A	Issue No.	8
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.680646 °	38.680646 °
				-121.672906 °	-121.672906 °
DWR ID	DWR_ST0011_03_f_2022_8				
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_2022_ST0011_293_8_20220929_00005.jpg



View of maintained landside slope. Fall 2022.

*** 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.44	Rating **	U	Issue No.	10
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:73263 EP_NO: 10295 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 02/24/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Pipe inlet on landside is out of round shape. Sinkhole on landside slope is still present. Pipe is approaching levee at an angle on landside. (O.Yakimov - DWR UCIP) 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 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). (Intention to abandon pipe in place by grouting is pending authorization under Permit No. 19624, permit not yet issued). [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: 2/24/2022 4:12:46 PM					

Photo 1 of 3 : UCIP_FA_2022_73263_109748.jpg



Land-Side: View of levee slope looking from 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.44	Rating **	U	Issue No.	10 (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_2022_73263_109751.jpg



Land-Side: Pipe inlet at the ditch out of round shape

LM Start	1.44	Rating **	U	Issue No.	10 (cont)
LM End	1.44	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_73263_109749.jpg



Water-Side: Headwall and 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.46	Rating **	U	Issue No.	11
LM End	1.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677539 °	38.677539 °
				-121.672841 °	-121.672841 °
DWR ID	17753				
Comment Code					
Inspector Comment					
DS_ID:17753 FS_ID:73265 EP_NO: 10296 Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Urgent. Flap gate cannot be properly closed due to debris accumulation. Unauthorized encroachment recorded in Levee Log. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 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) 04/10/2014 summer of 2013 removed debris and mud. (T. Skidgel - DWR Sacramento Yard)10/17/2012 Flap gate was partially opened during field survey period. Intake pipe on LS was buried with floated debris/logs. Debris removal or trash rack/screen is required. Two pipes are 5 ft apart from each other. Slide gate on landward end not found. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Slide gate on the landside (LS) end. (36-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10296, 1974 - Woodland Farms, Ltd.). (Intention to remove and replace pipe is pending authorization under Permit No. 19624, permit not yet issued). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.48, listed as two 36-inch pipes). USACE Drawing referenced as E-2 at Station 1+75, As-Built Drawing: USACE, Sacramento Districts. Levee Repair- Cache Creek Settling Basin, Wahler Associates, May 1991] FS Date: 2/24/2022 4:37:29 PM					

Photo 1 of 3 : UCIP_FA_2022_73265_109755.jpg



Water-Side: View of levee slope looking from 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.46	Rating **	U	Issue No.	11 (cont)
LM End	1.46	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.677539 °	38.677539 °	
			-121.672841 °	-121.672841 °	
DWR ID	17753				

Photo 2 of 3 : UCIP_FA_2022_73265_109753.jpg



Water-Side: Pipe with flap gate on waterside end. Flap gate remains open

LM Start	1.46	Rating **	U	Issue No.	11 (cont)
LM End	1.46	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_73265_109753.jpg



Land-Side: Pipe visible in drainage 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

DWR Start	1.46	Rating **	U	Issue No.	12
LM End	1.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677527 °	38.677527 °
				-121.672839 °	-121.672839 °
DWR ID	17761				
Comment Code					
Inspector Comment					
DS_ID:17761 FS_ID:73266 EP_NO: 10296 Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 02/24/2022 Record updated from No Action Needed to Urgent. Flap gate cannot be properly closed due to debris accumulation. Unauthorized encroachment recorded in Levee Log. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 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) 04/10/2014 summer of 2013 removed debris. (T. Skidgel - DWR Sacramento Yard)10/17/2012 Flap gate was partially open. Intake pipes in LS burried with floating debris/wooden logs. Debris removal or trash rack/screen is required. Two pipes are 5 ft apart from each other. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Slide gate on the landside (LS) end. (36-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10296, 1974 - Woodland Farms, Ltd.). (Intention to remove and replace pipe is pending authorization under Permit No. 19624, permit not yet issued). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.48, listed as two 36-inch pipes). USACE Drawing referenced as E-2 at Station 1+75, As-Built Drawing: USACE, Sacramento Districts. Levee Repair- Cache Creek Settling Basin, Wahler Associates, May 1991] FS Date: 2/24/2022 4:41:41 PM					

Photo 1 of 3 : UCIP_FA_2022_73266_109760.jpg



Water-Side: View of levee slope looking from 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/22/2022 09/22/2022	Zach Jojola

LM Start	1.46	Rating **	U	Issue No.	12 (cont)
LM End	1.46	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.677527 °	38.677527 °	
			-121.672839 °	-121.672839 °	
DWR ID	17761				

Photo 2 of 3 : UCIP_FA_2022_73266_109758.jpg



Water-Side: Pipe with flap gate on waterside end. Flap gate remains open

LM Start	1.46	Rating **	U	Issue No.	12 (cont)
LM End	1.46	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2022_73266_109757.jpg



Land-Side: Pipe End visible in drainage 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
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	3/15/2022 - 3/15/2022		9/23/2022 - 9/23/2022	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/23/2022 09/23/2022	Zach Jojola

LM Start	0.54	Rating **	U	Issue No.	28	
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: 3a, 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_2022_60250_83281.jpg



View of WS slope looking towards levee

LM Start	0.54	Rating **	U	Issue No.	28 (cont)
LM End	0.54	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2022_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/23/2022 09/23/2022	Zach Jojola

LM Start	0.54	Rating **	U	Issue No.	28 (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_2022_60250_83283.jpg



Malfunctioning flap gate at WS levee toe

LM Start	0.60	Rating **	M	Issue No.	29
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:
 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

Photo 1 of 3 : UCIP_FA_2022_60660_83298.jpg



View of WS slope looking towards 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/23/2022 09/23/2022	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	29 (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 2 of 3 : UCIP_FA_2022_60660_83300.jpg



View of WS looking from levee crown

LM Start	0.60	Rating **	M	Issue No.	29 (cont)
LM End	0.60	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_60660_83299.jpg



Pipe and flap gate at WS levee toe

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_2022_ST0011_294_6_20220921_00003.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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/23/2022 09/23/2022	Zach Jojola

LM Start	1.55	Rating **	A/W	Issue No.	27
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.553316 °	38.553215 °
				-121.632420 °	-121.632325 °
DWR ID	DWR_ST0011_04_f_2022_27				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There appears to be desiccation cracking on the waterside slope. Recommend monitoring.					

Photo 1 of 1 : FA_2022_ST0011_294_27_20220929_00039.jpg



View of cracking on the waterside shoulder. Fall 2022.

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_2022_ST0011_294_3_20220921_00001.jpg



View of the irrigation ditch at the landside toe. Spring 2022.

* 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 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/23/2022 09/23/2022	Zach Jojola

LM Start	2.10	Rating **	U	Issue No.	30
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: Urgent EVAL Issue: 1, Pipe Integrity 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 everyyear. (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 **	U	Issue No.	30 (cont)
LM End	2.10	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_60661_83249.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2022_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/23/2022 09/23/2022	Zach Jojola

LM Start	2.10	Rating **	U	Issue No.	30 (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_2022_60661_83251.jpg



Slide gate and pipe outlet on waterside

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_2022_ST0011_294_4_20220921_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 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
--	--	---	--	---