

**Flood Control Project Maintenance
Levee Inspections
Fall 2023 Levee Maintenance Deficiency Summary Report**

Sacramento River Basin

ST0004		Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard East Levee Yolo Bypass				A	2.01				
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									
Trim / Thin Trees		0.01		0.01	0.50%				
Encroachments						0.08			
Supplemental									
DWR UCIP LMA Responsibility									
LMA Totals:		0.01	0.00	0.01	0.50%	0.08	0.00	0.00	0.00

Unit No. 01 Yolo Bypass LB		Overall Unit Rating	Total Unit Miles						
ST0004				A	2.01				
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									
Trim / Thin Trees		0.01		0.01	0.50%				
Encroachments						0.08			
Supplemental									
DWR UCIP LMA Responsibility									
Unit Totals:		0.01	0.00	0.01	0.50%	0.08	0.00	0.00	0.00

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

Sacramento Maintenance Yard East 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 East Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Left	2.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/17/2023 - 4/17/2023		10/24/2023 - 10/24/2023	
DWR Inspector	Nate Hicks		Nate Hicks	
Accompanied By	Tina Anderson MBK			
	Zach Jojola 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 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_ST0004_01_s _ 2013_3				
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.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_ST0004_01_s _ 2013_4				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_ST0004_01_s _ 2013_5				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The Sacramento Maintenance Yard has a written 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 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start	0.07	Rating **	M	Issue No.	2
LM End	0.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.764385°	38.763164°
				-121.635494°	-121.635438°
DWR ID	DWR_ST0004_01_f_2018_2				
Comment Code					
DT : Ditch					
Inspector Comment					
Landowner has dug an irrigation ditch within the landside easement.					

Photo 1 of 1 : FA_2023_ST0004_41_2_20231024_00002.jpg



View of ditch at the landside toe. Fall 2021.

LM Start	0.80	Rating **	A	Issue No.	8
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.753801°	38.753801°
				-121.634788°	-121.634788°
DWR ID	DWR_ST0004_01_f_2023_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2023_ST0004_41_8_20231025_00009.jpg



View of acceptable vegetation on the landside slope (Fall 2023).

LM Start	1.51	Rating **	A/W	Issue No.	1
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.743573°	38.743573°
				-121.634128°	-121.634128°
DWR ID	DWR_ST0004_01_s_2020_1				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on a side of a ditch toward LS toe caused by water coming out of irrigation canal. Recommend monitoring.					

Photo 1 of 1 : FA_2023_ST0004_41_1_20231024_00001.jpg



View of erosion on landside irrigation canal. 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start	1.70	Rating **	M	Issue No.	9
LM End	1.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.740830°	38.740830°
				-121.633994°	-121.633994°
DWR ID	DWR_ST0004_01_f _ 2023_9				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Remove fallen tree from access ramp.					

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 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start	1.71	Rating **	M	Issue No.	10
LM End	1.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.740710°	38.740710°
				-121.633981°	-121.633981°
DWR ID	838				
Comment Code					
Inspector Comment					
DS_ID:838 FS_ID:80055 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 05/23/2023 Record updated from Urgent to Non-Urgent. LoF grade is equal to 5 due to pipe surface damage corrosion, integrity issues are not found. Crossing will be monitored until funding becomes available for rehabilitation. (O.Yakimov - DWR UCIP). 12/15/2022 Record updated from Non-Urgent to Urgent. DMP internal video inspection has LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. (O.Yakimov - DWR UCIP) 03/08/2022 Record updated from No Action Needed to Non-Urgent. Multiple sinkholes around headwall on waterside. A sinkhole measured 2-feet in diameter and 3-feet deep located on a shoulder of toe road located approximately 20 feet from levee toe in pipe alignment. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 11/16/2017 Pipe is closed on w/s and closed on L/S. Mud removed recently from WS pipes. (Ted Skidgel - Sac Yard) FIELD_STRUCT_DESC: 1 of 2: 48-inch corrugated metal drainage pipe through the levee, 28.5 feet below the crown. 30-inch steel pipe sleeved through the 48-inch pipe. Slide gate in a 60-inch pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1981. USACE Sacramento O&M Manual 123, August 1955, (Station 382+85)]. No permit or as-built drawing available. FS Date: 3/8/2022 10:33:40 AM					

Photo 1 of 3 : UCIP_FA_2023_80055_106877.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start	1.71	Rating **	M	Issue No.	10 (cont)
LM End	1.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.740710°	38.740710°
				-121.633981°	-121.633981°
DWR ID	838				

Photo 2 of 3 : UCIP_FA_2023_80055_106879.jpg



Water-Side: View of levee slope looking from crown. CMP riser on slope

LM Start	1.71	Rating **	M	Issue No.	10 (cont)
LM End	1.71	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2023_80055_106881.jpg



Water-Side: Multiple sinkholes filled with water around 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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Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start	1.71	Rating **	M	Issue No.	11	
LM End	1.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.740686°	38.740686°	
				-121.633979°	-121.633979°	
DWR ID	840					
Comment Code						
Inspector Comment						
DS_ID:840 FS_ID:80056 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 05/23/2023 Record updated from Urgent to Non-Urgent. LoF grade is equal to 5 due to pipe surface damage corrosion, integrity issues are not found. Crossing will be monitored until funding becomes available for rehabilitation. (O.Yakimov - DWR UCIP). 12/15/2022 Record updated from Non-Urgent to Urgent. DMP internal video inspection has LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. (O.Yakimov - DWR UCIP) 03/08/2022 Record updated from No Action Needed to Non-Urgent. Multiple sinkholes around headwall on waterside. A sinkhole measured 2-feet in diameter and 2-feet deep located on a shoulder of toe road located approximately 20 feet from levee toe in pipe alignment. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 48-inch corrugated metal drainage pipe through the levee, 28.5 feet below the crown. 30-inch steel pipe sleeved through the 48-inch pipe. Slide gate in a 60-inch pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1981. USACE Sacramento O&M Manual 123, August 1955, (Station 382+85)]. No permit or as-built drawing available. FS Date: 3/8/2022 10:34:05 AM						

LM Start	1.71	Rating **	M	Issue No.	11 (cont)
LM End	1.71	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2023_80056_106886.jpg



Water-Side: View of levee slope looking from crown. CMP riser on slope

Photo 2 of 3 : UCIP_FA_2023_80056_106888.jpg



Water-Side: Sinkhole at the edge of toe road

* 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 2023

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/24/2023 10/24/2023	Nate Hicks

LM Start	1.71	Rating **	M	Issue No.	11 (cont)
LM End	1.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.740686°	38.740686°
				-121.633979°	-121.633979°
DWR ID	840				

Photo 3 of 3 : UCIP_FA_2023_80056_106884.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
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