

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024**

**Sacramento Maintenance Yard East Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	Nate Hicks

LM Start	0.63	Rating **	A	Issue No.	10
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.756310°	38.756310°
				-121.635017°	-121.635017°
DWR ID	DWR_ST0004_01_f_2024_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2024\_ST0004\_41\_10\_20241104\_00009.jpg



View of good vegetation on the waterside (Fall 2024).

LM Start	0.63	Rating **	A	Issue No.	8
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.756309°	38.756309°
				-121.635017°	-121.635017°
DWR ID	DWR_ST0004_01_f_2024_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2024\_ST0004\_41\_8\_20241104\_00010.jpg



View of good vegetation on the landside (Fall 2024).

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_2024_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\_2024\_ST0004\_41\_1\_20241028\_00001.jpg



View of erosion on landside irrigation canal (Spring 2024).

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	Nate Hicks

LM Start	1.70	Rating **	C	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					
Corrected.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	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			38.740710°	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. (Two 48-inch pipes authorized under Permit No. 973, 1944 - Reclamation District 1600). [Additional Reference(s): DWR Levee Log, 1981 (HLM 1.68). USACE Sacramento O&M Manual, Unit 123, August 1955, Revised 17 December 2020, (Station 382+85), listed as two 48-inch pipes. USACE As-Built Drawing No. 50-04-1310, October 1931, Sheet 2, Station 382+85]. FS Date: 3/8/2022 10:33:40 AM						

Photo 1 of 3 : UCIP\_FA\_2024\_80055\_106877.jpg



Land-Side: View of levee slope looking from crown

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



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	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		38.740710°	38.740710°	
			-121.633981°	-121.633981°	
DWR ID	838				

Photo 2 of 3 : UCIP\_FA\_2024\_80055\_106879.jpg



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

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

Photo 3 of 3 : UCIP\_FA\_2024\_80055\_106881.jpg



Water-Side: Multiple sinkholes filled with water around headwall

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	Nate Hicks

LM Start	1.71	Rating **	M	Issue No.	12
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. (Two 48-inch pipes authorized under Permit No. 973, 1944 - Reclamation District 1600). [Additional Reference(s): DWR Levee Log, 1981 (HLM 1.68). USACE Sacramento O&M Manual, Unit 123, August 1955, Revised 17 December 2020, (Station 382+85), listed as two 48-inch pipes. USACE As-Built Drawing No. 50-04-1310, October 1931, Sheet 2, Station 382+85].  
FS Date: 3/8/2022 10:34:05 AM

Photo 1 of 3 : UCIP\_FA\_2024\_80056\_106886.jpg



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

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/28/2024 10/28/2024	Nate Hicks

LM Start	1.71	Rating **	M	Issue No.	12 (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 2 of 3 : UCIP\_FA\_2024\_80056\_106888.jpg



Water-Side: Sinkhole at the edge of toe road

LM Start	1.71	Rating **	M	Issue No.	12 (cont)
LM End	1.71	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2024\_80056\_106884.jpg



Land-Side: View of levee slope looking from crown

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