

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2022**

**Reclamation District No. 0900 West Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/30/2022 09/30/2022	Marvin Marshall

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>6</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0900_01_f_2018_6				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
This LMA has the updated O&M manuals for the district.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>12</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			38.580931 °	38.580931 °
				-121.509693 °	-121.509693 °
DWR ID	DWR_RD0900_01_s_2013_12				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
This LMA has an adequate amount of sandbags, sand, and various flood fight supplies in their possession.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>16</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0900_01_s_2013_16				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA attended October 2022 Flood Fighting Methods 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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Unit No. 01 Sacramento River	Right	7.70	09/30/2022 09/30/2022	Marvin Marshall

LM Start	0.52	Rating **	C	Issue No.	23
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.574555 °	38.574555 °
				-121.514188 °	-121.514188 °
DWR ID	DWR_RD0900_01_f_2020_23				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump is more than 20' from crown.					

No Photos

LM Start	0.59	Rating **	M	Issue No.	28
LM End	0.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.573777 °	38.573777 °
				-121.515036 °	-121.515036 °
DWR ID	DWR_RD0900_01_s_2022_28				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim trees to 12' above grade.					

Photo 1 of 1 : FA\_2022\_RD0900\_230\_28\_20220822\_00006.jpg



View of low branches on the crown. Spring 2022

LM Start	0.84	Rating **	A/W	Issue No.	39
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.571150 °	38.571150 °
				-121.518137 °	-121.518137 °
DWR ID	DWR_RD0900_01_s_2020_39				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The site is on private land and not accessible for inspection.					

No Photos

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/30/2022 09/30/2022	Marvin Marshall

LM Start	3.32	Rating **	M	Issue No.	53
LM End	3.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.540803 °	38.540803 °
				-121.514255 °	-121.514255 °
DWR ID	17769				
Comment Code					
Inspector Comment					
DS_ID:17769 FS_ID:37668 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 02/26/2018 Pipe is located within the construction limits of the Levee Improvement Project for RD0900, As-built PENDING Project Completion. -- UNDER CONSTRUCTION Levee Improvement Project, construction schedule Summer 2016 to November 2018. Levee improvements address through seepage, underseepage and slope stability and include strengthen-in-place improvements and construction of a setback levee. Reference: [Issued FOR CONSTRUCTION] West Sacramento Area Flood Control Agency Southport Levee Improvement Project Early Implementation Program. Southport Sacramento River Levee: (Stat 3+90 to Station 287+57). Volume 3 (W.O. # 41164) December 2016 Conformed Submittal. HDR Engineering Inc. Folsom, CA – (DWR UCIP – O. Magana) 10/06/2009 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landside (LS) toe. Screw gate in LS of the levee.[Additional Reference(s): USACE Sacramento O&M Manual Unit No. 116, August 1955, revised 2011, (USGS River Mile [RM] 55.65), As-built drawing# 6-13-1100 page 3, January 1933] FS Date: 10/6/2009					

Photo 1 of 3 : UCIP\_FA\_2022\_37668\_68391.jpg



View of concrete structure located on landward side.

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Unit No. 01 Sacramento River	Right	7.70	09/30/2022 09/30/2022	Marvin Marshall

LM Start	<b>3.32</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>3.32</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.540803 °	38.540803 °
				-121.514255 °	-121.514255 °
DWR ID	17769				

Photo 2 of 3 : UCIP\_FA\_2022\_37668\_68390.jpg



Pump house located on landward side.

LM Start	<b>3.32</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>3.32</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2022\_37668\_68389.jpg



Pipe visible on waterward side visible through dense vegetation.

LM Start	<b>3.74</b>	Rating **	A/W	Issue No.	<b>24</b>
LM End	<b>3.74</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.536734 °	38.536734 °
				-121.520106 °	-121.520106 °
DWR ID	DWR_RD0900_01_f_2021_24				

**Comment Code**

CR2 : Schedule repair of subsidence prior to the next inspection.

**Inspector Comment**

Cracking observed on the LS crown. Probing showed cracks are +4' deep approximately 100' long. No slumping or bulging of material was observed. This is on the setback levee, upstream of the Sacramento Yacht Club access road. Site has been raincoated. LMA is in process of exploratory excavation and repair.

Photo 1 of 2 : FA\_2022\_RD0900\_230\_24\_20220930\_00018.jpg



Raincoat placed on LS slope. Fall 2022

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# Reclamation District No. 0900 West Sacramento

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**Reclamation District No. 0900 West Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/30/2022 09/30/2022	Marvin Marshall

LM Start	4.15	Rating **	A/W	Issue No.	12
LM End	4.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.527967 °	38.527967 °
				-121.582135 °	-121.582135 °
DWR ID	DWR_RD0900_02_f_2020_12				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There is a longitudinal crack along the LS shoulder.					

Photo 1 of 1 : FA\_2022\_RD0900\_231\_12\_20220822\_00002.jpg



View of longitudinal, desiccation crack along the landside shoulder. Fall 2020

LM Start	4.29	Rating **	A/W	Issue No.	43
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.526007 °	38.526007 °
				-121.582130 °	-121.582130 °
DWR ID	DWR_RD0900_02_f_2019_43				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor small desiccation cracks.					

Photo 1 of 1 : FA\_2022\_RD0900\_231\_43\_20220822\_00007.jpg



View of desiccation crack 3" deep and 5' long. Fall 2019

LM Start	4.46	Rating **	A/W	Issue No.	44
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.523537 °	38.523537 °
				-121.582130 °	-121.582130 °
DWR ID	DWR_RD0900_02_f_2019_44				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor small transverse cracks.					

Photo 1 of 1 : FA\_2022\_RD0900\_231\_44\_20220822\_00008.jpg



Desiccation cracking on the LS crown and slope. Fall 2021

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Unit No. 02 Yolo Bypass	Left	5.26	09/30/2022 09/30/2022	Marvin Marshall

LM Start	5.45	Rating **	A/W	Issue No.	27
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.509217 °	38.509217 °
				-121.582140 °	-121.582140 °
DWR ID	DWR_RD0900_02_f_2018_27				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor small desiccation cracks on the levee slope.					

Photo 1 of 1 : FA\_2022\_RD0900\_231\_27\_20220930\_00046.jpg



Desiccation cracking on the LS slope. Fall 2022

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