

Flood Control Project Maintenance Levee Inspections

Fall 2023 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin

RD2091 ‡	Overall LMA Rating		Total LMA Miles		* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
Reclamation District No. 2091 Chase	M *	7.51						
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								
Vegetation		0.10	0.40	5.32%				
Erosion / Vehicle Traffic	0.02		0.02	0.27%				
Flood Preparedness & Training	0.08		0.08	1.07%				
Supplemental								
DWR UCIP Field Study					0.04	0.01		
DWR UCIP LMA Responsibility								
LMA Totals:	0.10	0.10	0.50	6.66% *	0.04	0.01	0.00	0.00
Unit No. 01 San Joaquin River RB		Overall Unit Rating	Total Unit Miles					
RD2091		A	7.46					
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								
Erosion / Vehicle Traffic	0.02		0.02	0.27%				
Supplemental								
DWR UCIP Field Study					0.03	0.01		
DWR UCIP LMA Responsibility								
Unit Totals:	0.02	0.00	0.02	0.27%	0.03	0.01	0.00	0.00
Unit No. 02 San Joaquin River NA		Overall Unit Rating	Total Unit Miles					
RD2091		U	0.05					
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								
Vegetation		0.10	0.40	800.00%				
Supplemental								
DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.10	0.40	800.00%	0.01	0.00	0.00	0.00

‡ Some areas within the LMA are under construction and as such, the contractor has operation and maintenance obligations in those areas during project construction and closeout.

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

Reclamation District No. 2091 Chase

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	7.46
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			10/5/2023 - 10/5/2023	
DWR Inspector			Nate Hicks	
Accompanied By			Mike Alves City of Modesto	

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2091_01_s _ 2013_2				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
The LMA has copy of O & M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_RD2091_01_s _ 2013_4						
Comment Code							
ES : Emergency Supplies & Equipment							
Inspector Comment							
The LMA maintains adequate flood fight supplies and equipment.							

No Photos

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2091_01_s _ 2013_5				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA maintains a good working knowledge of flood response activities but has not recently received flood fight training.					

No Photos

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.08	Rating **	M	Issue No.	45
LM End	0.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541970°	37.541970°
				-121.093980°	-121.093980°
DWR ID	23155				
Comment Code					
Inspector Comment					
DS_ID:23155 FS_ID:78558 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 03/30/2022 Record remains Non-Urgent. No cover present on CMP riser causing a safety hazard. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (M.Thao - DWR UCIP) 10/15/2013 Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.07). USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 0.07), listed as 24-inch pipe. USACE As-Built Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 906+85), July 1959]. FS Date: 3/30/2022					

Photo 1 of 1 : UCIP_FA_2023_78558_110619.jpg



WS view: Looking into CMP riser; no cover.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.10	Rating **	M	Issue No.	46
LM End	0.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.542030°	37.542030°
				-121.094370°	-121.094370°
DWR ID	23156				

Comment Code

Inspector Comment

DS_ID:23156
FS_ID:78559
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 03/30/2022 Record remains Non-Urgent.
Recommend owner to contact CVFPB to abandon or remove pipe from levee. No cover was present on CMP riser causing a safety hazard.
(M.Thao - DWR UCIP)
10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent. No integrity issues were observed along pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. Crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP)11/18/2016 Same as last inspection this is a non-functional crossing with no visible inlet on LS or outlet on WS. The only appurtenance found at this location is a CMP riser with a missing cover located on the WS. This crossing remains Urgent since the pipe on the WS may still be opened. According to Mike Alves, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Pipe open on WS and slide gate has been removed. Appears abandoned and should be done so properly. (W. Wylie - City of Modesto)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser located on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.10). USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 0.10), listed as 24-inch pipe. USACE As-Built Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 907+55), October 1960].
FS Date: 3/30/2022

Photo 1 of 1 : UCIP_FA_2023_78559_110641.jpg



WS view: Looking into CMP riser; no cover.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.14	Rating **	M	Issue No.	47	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.541918°		37.541918°
				-121.094983°		-121.094983°
DWR ID	23157					
Comment Code						
Inspector Comment						
DS_ID:23157 FS_ID:80598 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 03/30/2022 Record updated from No Action Needed to Non-Urgent. Crossing not found. Geophysical study indicates possible presence of pipe through levee. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. (M.Thao - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS). Flashboards on the LS. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.13). USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 0.13), listed as 24-inch pipe. USACE As-Built Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 909+60), April 1960]. FS Date: 3/30/2022						

LM Start	0.14	Rating **	M	Issue No.	47 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2023_80598_110660.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2023_80598_110661.jpg



LS view: Looking from crown; general overview looking at slope of wastewater settling ponds embankment.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.14	Rating **	M	Issue No.	47 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541918°	37.541918°
				-121.094983°	-121.094983°
DWR ID	23157				

Photo 3 of 3 : UCIP_FA_2023_80598_110662.jpg



WS view: Looking from crown; general overview.

LM Start	0.23	Rating **	A/W	Issue No.	15
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.541550°	37.541550°
				-121.096742°	-121.096742°
DWR ID	DWR_RD2091_01_s_2016_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Caving on landward shoulder noted in 2017 as a possible collapsed pipe. Monitor for potential reoccurrence.					

Photo 1 of 1 : FA_2023_RD2091_318_15_20231003_00001.jpg



Looking west along the landside shoulder. (Spring 2020)

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.24	Rating **	U	Issue No.	48
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541564°	37.541564°
				-121.096792°	-121.096792°
DWR ID	23158				
Comment Code					
Inspector Comment					
DS_ID:23158 FS_ID:80647 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 03/30/2022 Record updated from Non-Urgent to Urgent. Flap gate has fallen off at pipe outlet on WS. More than 1/2-foot subsidence was observed on the bank slope above the pipe alignment, but appears to be outside the levee prism. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (M.Thao - DWR UCIP) 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent, no integrity issues were observed along the pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. This crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP)11/18/2016 Same as last inspection. This crossing remains Urgent due to the flap gate still missing from the WS toe. According to Mike Alves, this crossing is an abandoned line and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate has fallen off at WS toe. Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Pipe inlet is located approximately 15 feet off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.23). USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 0.23), listed as 24-inch pipe. USACE As-Built Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 915+00), April 1960]. FS Date: 3/30/2022					

Photo 1 of 2 : UCIP_FA_2023_80647_110679.jpg



WS view: Depression on berm above pipe alignment; headwall and outlet visible on left.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.24	Rating **	U	Issue No.	48 (cont)
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541564°	37.541564°
				-121.096792°	-121.096792°
DWR ID	23158				

Photo 2 of 2 : UCIP_FA_2023_80647_110680.jpg



WS view: Close-up view of headwall and pipe outlet; flap gate has fallen off.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.40	Rating **	M	Issue No.	49	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.540936 °	37.540936 °	
				-121.099600 °	-121.099600 °	
DWR ID	23160					
Comment Code						
Inspector Comment						
DS_ID:23160 FS_ID:80629 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/30/2022 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Geophysical study indicates possible presence of pipe through levee. Coordinates have been updated from 37.540948, -121.099691 to 37.540936, -121.099600. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. Recommend owner to contact CVFPB to abandon or remove pipe from levee. Material appears to have sunk into a 30-inch CMP standpipe located at the base of a wastewater settling pond embankment, which is approximately 20 feet landward of the levee toe. In addition, subsidence and erosion was observed outside the levee prism on WS berm slope above the pipe alignment. (M.Thao - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. Landside (LS) end covered with dirt. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 0.40), listed as 24-inch pipe. USACE As-Built Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 923+70), April 1960]. FS Date: 3/30/2022						

Photo 1 of 3 : UCIP_FA_2023_80629_110745.jpg



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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.40	Rating **	M	Issue No.	49 (cont)
LM End	0.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.540936°	37.540936°
				-121.099600°	-121.099600°
DWR ID	23160				

Photo 2 of 3 : UCIP_FA_2023_80629_110746.jpg



LS view: Looking from crown; sunken material at CMP standpipe located at toe of wastewater settling pond embankment.

LM Start	0.40	Rating **	M	Issue No.	49 (cont)
LM End	0.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2023_80629_110747.jpg



LS view: Close-up view of sunken material at CMP standpipe located at toe of wastewater settling pond embankment.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.63	Rating **	U	Issue No.	50
LM End	0.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541220°	37.541220°
				-121.103880°	-121.103880°
DWR ID	23161				

Comment Code

Inspector Comment

DS_ID:23161
FS_ID:78563
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 03/30/2022 Record updated from Non-Urgent to Urgent. Flap gate is slightly opened and appears to be due to the outlet angling downward. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (M.Thao - DWR UCIP)
11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent since the flap gate appears to fully close. According to Mike Alvez, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.64). USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 0.64), listed as 24-inch pipe].
FS Date: 3/30/2022

LM Start	0.63	Rating **	U	Issue No.	50 (cont)
LM End	0.63	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2023_78563_110906.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2023_78563_110903.jpg



LS view: Looking from crown; general overview looking at slope of wastewater settling pond embankment.

* 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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.63	Rating **	U	Issue No.	50 (cont)
LM End	0.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541220°	37.541220°
				-121.103880°	-121.103880°
DWR ID	23161				

Photo 3 of 3 : UCIP_FA_2023_78563_110904.jpg



WS view: Looking from crown; general overview.

LM Start	1.67	Rating **	A/W	Issue No.	14
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.527702°	37.527297°
				-121.105163°	-121.102248°
DWR ID	DWR_RD2091_01_f_2023_14				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Wavewash erosion is caused from the storage pond on the landside slope. Monitor for worsening conditions.					

No Photos

LM Start	2.00	Rating **	A/W	Issue No.	16
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.526651°	37.522883°
				-121.099809°	-121.095738°
DWR ID	DWR_RD2091_01_f_2023_16				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Wavewash erosion on the landside slope is caused by the storage pond. Monitor for worsening conditions.					

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	2.15	Rating **	A/W	Issue No.	25
LM End	2.15	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.525220°	37.525220°
				-121.097700°	-121.097700°
DWR ID	199-1				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:124					
Site Designation:199-1					

No Photos

LM Start	2.41	Rating **	M	Issue No.	51
LM End	2.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.522150°	37.522150°
				-121.095630°	-121.095630°
DWR ID	23162				
Comment Code					
Inspector Comment					
DS_ID:23162 FS_ID:78541 EP_NO: 5560 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 03/30/2022 Record updated from No Action Needed to Non-Urgent. A fish screen has been added to the concrete headwall at the WS toe; unable to find a permit for modification. (M.Thao - DWR UCIP) FIELD_STRUCT_DESC: 1 of 3: 48-inch by 48-inch concrete treated effluent culvert through the levee, 28.5 feet below the crown. Slide gate on the waterside (WS) shoulder. Flap gate on the WS toe. (Permit No. 5560, 1967 - City of Modesto. Design drawings available in permit). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.44)]. FS Date: 3/30/2022					

Photo 1 of 1 : UCIP_FA_2023_78541_110967.jpg



WS view: Headwall off toe; fish screen added since last inspection.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	2.41	Rating **	M	Issue No.	52
LM End	2.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.522130°	37.522130°
				-121.095630°	-121.095630°
DWR ID	23163				
Comment Code					
Inspector Comment					
DS_ID:23163 FS_ID:78542 EP_NO: 5560 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 03/30/2022 Record updated from No Action Needed to Non-Urgent. A fish screen has been added to the concrete headwall at the WS toe; unable to find a permit for modification. (M.Thao - DWR UCIP) FIELD_STRUCT_DESC: 2 of 3: 36-inch steel sewer pipe through the levee, 3 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Butterfly valve next to pump off the landside (LS) toe. Concrete U-shaped headwall off the WS toe. (Permit No. 5560, 1967 - City of Modesto. Design drawings available in permit). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.44)]. FS Date: 3/30/2022					

Photo 1 of 1 : UCIP_FA_2023_78542_110974.jpg



WS view: Concrete headwall off toe; fish screen added since last inspection.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	2.41	Rating **	M	Issue No.	53	
LM End	2.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.522108°	37.522108°	
				-121.095591°	-121.095591°	
DWR ID	23171					
Comment Code						
Inspector Comment						
DS_ID:23171 FS_ID:78543 EP_NO: 5560 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 03/30/2022 Record updated from No Action Needed to Non-Urgent. A fish screen has been added to the concrete headwall at the WS toe; unable to find a permit for modification. All siphon breaker components appear to be present and in working order within the CMP riser. (M.Thao - DWR UCIP) 10/15/2013 Siphon breaker missing components at CMP riser on WS shoulder. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3 of 3: 36-inch steel sewer pipe through the levee, 3 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Pump and butterfly valve off the landside (LS) toe. Concrete U-shaped headwall on the WS slope. (Permit No. 5560, 1967 - City of Modesto. Design drawings available in permit). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.44)]. FS Date: 3/30/2022						

Photo 1 of 1 : UCIP_FA_2023_78543_110982.jpg



WS view: Concrete headwall off toe; fish screen added since last inspection.

LM Start	2.41	Rating **	A/W	Issue No.	26
LM End	2.49	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.522090 °	37.521140 °
				-121.095580 °	-121.095080 °
DWR ID	DWR_RD2091_01_R_2012_05				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:125					
Site Designation: DWR_RD2091_01_R_2012_05					

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	2.41	Rating **	A/W	Issue No.	17
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.522051°	37.521645°
				-121.095619°	-121.095574°
DWR ID	DWR_RD2091_01_f _ 2023_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is erosion on the waterside toe that the owner is currently fixing.					

Photo 1 of 1 : FA_2023_RD2091_318_17_20231016_00023.jpg



View of erosion on the waterside toe that is currently being filled in (Fall 2023).

LM Start	2.84	Rating **	A/W	Issue No.	38
LM End	3.46	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.519210°	37.511720°
				-121.089010°	-121.087380°
DWR ID	199-105				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:128					
Site Designation:199-105					

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	2.87	Rating **	A/W	Issue No.	18
LM End	4.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.518644°	37.499551°
				-121.089180°	-121.080847°
DWR ID	DWR_RD2091_01_f_2022_18				
Comment Code					
LC : Authorized Levee Construction					
Inspector Comment					
Seepage and stability berms being constructed under permit 19330 at LM 2.87-3.94, 4.5-5.01, 5.7-5.75, 6.08, and 6.38-6.88. Completion Fall of 2023.					

Photo 1 of 1 : FA_2023_RD2091_318_18_20231003_00002.jpg



View of construction being performed on landside of levee section. (Fall 2022)

LM Start	3.27	Rating **	M	Issue No.	19
LM End	3.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			37.513133°	37.513133°
				-121.090438°	-121.090440°
DWR ID	DWR_RD2091_01_f_2023_19				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Vehicle ruts are located on the landside slope near the crown.					

Photo 1 of 1 : FA_2023_RD2091_318_19_20231016_00022.jpg



View of vehicle ruts along the landside shoulder (Fall 2023).

LM Start	3.92	Rating **	M	Issue No.	20
LM End	3.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			37.506680°	37.506680°
				-121.082758°	-121.082758°
DWR ID	DWR_RD2091_01_f_2023_20				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2023

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	3.96	Rating **	A/W	Issue No.	21
LM End	3.96	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.506128°	37.506128°
				-121.082577°	-121.082577°
DWR ID	DWR_RD2091_01_f_2023_21				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					

No Photos

LM Start	4.44	Rating **	A/W	Issue No.	39
LM End	4.54	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.499440°	37.498040°
				-121.080720°	-121.080720°
DWR ID	DWR_RD2091_01_R_2012_02				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:131					
Site Designation: DWR_RD2091_01_R_2012_02					

No Photos

LM Start	4.57	Rating **	A/W	Issue No.	40
LM End	5.00	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.497780°	37.492630°
				-121.080340°	-121.076070°
DWR ID	199-100				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:130					
Site Designation:199-100					

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	4.59	Rating **	U	Issue No.	54	
LM End	4.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.497390°	37.497390°	
				-121.080370°	-121.080370°	
DWR ID	23165					
Comment Code						
Inspector Comment						
DS_ID:23165 FS_ID:78568 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 03/30/2022 Record updated from Non-Urgent to Urgent. Crossing appears abandoned. Three pipe inlets were located on the river edge and appears to have been previously grouted and capped. Unsure if all inlets connect to the same pipe. Two capped inlets appear to be missing and opened on the WS. Unable to locate a permit and confirm proper pipe abandonment. Recommend owner to contact CVFPB to abandon or remove pipe from levee. A standpipe on the LS toe has been dismantled causing a safety hazard. (M.Thao - DWR UCIP) 10/15/2013 Appears abandoned and if so should be done so properly. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 15 feet below the crown. Abandoned concrete inlet box on the waterside (WS) slope of the levee. 6-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992 (HLM 4.67). USACE San Joaquin O&M Manual Unit 6, September 1961, Revised 29 December 2016, (HLM 4.67), listed as 30-inch pipe]. FS Date: 3/30/2022						

LM Start	4.59	Rating **	U	Issue No.	54 (cont)
LM End	4.59	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2023_78568_111011.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2023_78568_111012.jpg



LS view: Looking from crown; distribution box on toe.

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

Levee Inspection Report By Mile - Fall 2023

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	4.59	Rating **	U	Issue No.	54 (cont)
LM End	4.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.497390°	37.497390°
				-121.080370°	-121.080370°
DWR ID	23165				

Photo 3 of 3 : UCIP_FA_2023_78568_111009.jpg



LS view: Distribution box on toe; adjacent standpipe (right) dismantled causing safety hazard.

LM Start	5.27	Rating **	A/W	Issue No.	22
LM End	5.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.490180°	37.490180°
				-121.072422°	-121.072422°
DWR ID	DWR_RD2091_01_f_2023_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on waterside bank that has eroded into the theoretical levee prism. Owner is currently repairing the site.					

Photo 1 of 1 : FA_2023_RD2091_318_22_20231016_00024.jpg



View of waterside erosion being repaired (Fall 2023).

LM Start	5.60	Rating **	A/W	Issue No.	42
LM End	5.65	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.486820°	37.486220°
				-121.068100°	-121.067530°
DWR ID	199-101				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:129					
Site Designation:199-101					

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	10/05/2023 10/05/2023	Nate Hicks

LM Start	5.99	Rating **	A/W	Issue No.	43
LM End	5.99	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.486490°	37.486490°
				-121.062270°	-121.062270°
DWR ID	199-4				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:127					
Site Designation:199-4					

No Photos

LM Start	6.29	Rating **	A/W	Issue No.	44
LM End	6.75	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.485040°	37.481740°
				-121.057680°	-121.052910°
DWR ID	199-106				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					
2017 Storm Damage					
Site ID No:126					
Site Designation:199-106					

No Photos

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

Reclamation District No. 2091 Chase

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection			10/5/2023 - 10/5/2023	
DWR Inspector			Nate Hicks	
Accompanied By			Mike Alves City of Modesto	

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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.05	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.00	Rating **	U	Issue No.	2
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.482217°	37.482760°
				-121.051473°	-121.050872°
DWR ID	DWR_RD2091_02_f _ 2023_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2023_RD2091_319_2_20231016_00004.jpg



View of landside vegetation (Fall 2023).

LM Start	0.00	Rating **	U	Issue No.	3
LM End	0.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.482217°	-121.050872°
				-121.051473°	37.482760°
DWR ID	DWR_RD2091_02_f_2023_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2023_RD2091_319_3_20231016_00005.jpg



View of waterside vegetation (Fall 2023).

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.05	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.02	Rating **	M	Issue No.	4	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.482450°	37.482450°	
				-121.051220°	-121.051220°	
DWR ID	23175					
Comment Code						
Inspector Comment						
DS_ID:23175 FS_ID:78524 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/30/2022 Record remains Non-Urgent. Dense vegetation prevented location of the flap gate on the WS and proper inspection of levee along pipe alignment on WS; recommend clearing vegetation. Unable to locate a permit and confirm proper pipe abandonment. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (M.Thao - DWR UCIP) 11/18/2016 Same as last inspection. This is a non-functional crossing with flap gate in the closed position. This crossing has been downgraded from Urgent to Non-Urgent -- no integrity issues were observed on the levee crown or slopes. According to Mike A. this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate rusted in-place and does not function. In closed position. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.4 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.01)]. FS Date: 3/30/2022						

LM Start	0.02	Rating **	M	Issue No.	4 (cont)
LM End	0.02	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2023_78524_111084.jpg



Overview of levee crown.

Photo 2 of 3 : UCIP_FA_2023_78524_111086.jpg



LS view: Looking from crown; general overview.

* 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

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.05	10/05/2023 10/05/2023	Nate Hicks

LM Start	0.02	Rating **	M	Issue No.	4 (cont)
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.482450 °	37.482450 °
				-121.051220 °	-121.051220 °
DWR ID	23175				

Photo 3 of 3 : UCIP_FA_2023_78524_113444.jpg



WS view: Dense vegetation on WS; flap gate not found due to vegetation.

* 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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