

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

Sutter Maintenance Yard Maintenance Area 0001

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** 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**

Sutter Maintenance Yard Maintenance Area 0001

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	16.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/11/2023 - 4/11/2023			
DWR Inspector	Makar Sokol			
Accompanied By	Gregg Ahlers DWR Sutter Yard			

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0001_01_s_2016_19				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
The LMA has emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0001_01_s_2013_28				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	29
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0001_01_s_2013_29				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA completed flood fight training in 2022.					

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.00	Rating **	U	Issue No.	38
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.213909°	39.215782°
				-122.000923°	-122.009235°
DWR ID	DWR_MA0001_01_s_2023_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_38_20230414_00104.jpg



View of the vegetation along the waterside slope. Spring 2023.

LM Start	0.01	Rating **	N	Issue No.	92
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.214000°	39.214000°
				-122.001077°	-122.001077°
DWR ID	DWR_MA0001_01_f_2016_92				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.04	Rating **	U	Issue No.	2
LM End	0.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.213988°	39.215198°
				-122.001537°	-122.004775°
DWR ID	DWR_MA0001_01_s_2012_2				
Comment Code					
BU : Building					
Inspector Comment					
Multiple buildings and homes along the landside slope and toe through this area.					

Photo 1 of 1 : SP_2023_MA0001_297_2_20230410_00001.jpg



View of the buildings along the landside toe. 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	106
LM End	0.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.214162°	39.214162°
				-122.002174°	-122.002174°
DWR ID	DWR_MA0001_01_f_2021_106				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_106_20230410_00029.jpg



View of the irrigation system on the landside slope. Fall 2021.

LM Start	0.11	Rating **	U	Issue No.	63
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.214379°	39.214379°
				-122.002791°	-122.002791°
DWR ID	DWR_MA0001_01_f_2019_63				
Comment Code					
ST : Stairway					
Inspector Comment					
Two sets of stairs are cut into the landside slope. The stairs need to be removed and the slope needs to be restored.					

Photo 1 of 2 : SP_2023_MA0001_297_63_20230410_00015.jpg



View of one of the stairs cut into the landside slope. Fall 2020.

LM Start	0.11	Rating **	U	Issue No.	63 (cont)
LM End	0.11	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2023_MA0001_297_63_20230410_00016.jpg



View of the wooden stairs cut into the landside slope. Fall 2019.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.18	Rating **	M	Issue No.	73
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.214835°	39.215076°
				-122.004055°	-122.004537°
DWR ID	DWR_MA0001_01_s_2019_73				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.19	Rating **	U	Issue No.	85
LM End	0.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.214901°	39.214901°
				-122.004103°	-122.004103°
DWR ID	DWR_MA0001_01_f_2022_85				
Comment Code					
MISC : Miscellaneous					
Inspector Comment					
RV owner made a vertical cut into the landside levee slope. The vertical cut ranges between two and four feet in height and is about 30 feet wide. Sutter Yard is aware of the issue and is working with the city of Colusa and CVFPB to resolve it.					

Photo 1 of 2 : SP_2023_MA0001_297_85_20230410_00020.jpg



View of a vertical cut into the landside levee slope. Fall 2022.

LM Start	0.19	Rating **	U	Issue No.	85 (cont)
LM End	0.19	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2023_MA0001_297_85_20230410_00021.jpg



Another view of a vertical cut into the landside levee slope. Fall 2022.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.20	Rating **	M	Issue No.	82
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.214992°	39.214992°
				-122.004341°	-122.004341°
DWR ID	DWR_MA0001_01_s_2022_82				
Comment Code					
ST : Stairway					
Inspector Comment					

No Photos

LM Start	0.25	Rating **	N	Issue No.	97
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.215343°	39.215343°
				-122.005100°	-122.005100°
DWR ID	DWR_MA0001_01_f_2016_97				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.33	Rating **	C	Issue No.	80
LM End	0.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.215855°	39.215855°
				-122.006306°	-122.006306°
DWR ID	DWR_MA0001_01_f_2022_80				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.38	Rating **	C	Issue No.	98
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			39.215878°	39.215878°
				-122.007278°	-122.007278°
DWR ID	DWR_MA0001_01_f_2020_98				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.41	Rating **	M	Issue No.	64
LM End	0.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.215869°	39.215869°
				-122.007932°	-122.007932°
DWR ID	DWR_MA0001_01_f_2019_64				
Comment Code					
MA : Material					
Inspector Comment					
Tires should be removed from the landside toe.					

No Photos

LM Start	0.46	Rating **	C	Issue No.	81
LM End	0.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.215839°	39.215839°
				-122.008859°	-122.008859°
DWR ID	DWR_MA0001_01_f_2022_81				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.53	Rating **	N	Issue No.	101
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.215808°	39.215808°
				-122.009995°	-122.009995°
DWR ID	DWR_MA0001_01_f_2017_101				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.67	Rating **	U	Issue No.	7
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.216533°	39.216680°
				-122.012512°	-122.012907°
DWR ID	DWR_MA0001_01_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_7_20230410_00005.jpg



View of the buildings along the landside toe. Spring 2020.

LM Start	0.68	Rating **	N	Issue No.	76
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.216562°	39.216562°
				-122.012563°	-122.012563°
DWR ID	DWR_MA0001_01_s_2019_76				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	0.82	Rating **	C	Issue No.	59
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.217523°	39.217523°
				-122.014862°	-122.014862°
DWR ID	DWR_MA0001_01_s_2020_59				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs cut into the landside slope.					

No Photos

LM Start	0.99	Rating **	M	Issue No.	39
LM End	16.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.219042°	39.410952°
				-122.016189°	-122.009750°
DWR ID	DWR_MA0001_01_s_2023_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.40	Rating **	M	Issue No.	40
LM End	7.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.224878°	39.294450°
				-122.015964°	-122.021484°
DWR ID	DWR_MA0001_01_s_2023_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	1.54	Rating **	M	Issue No.	62
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.226445°	39.226445°
				-122.014452°	-122.014452°
DWR ID	DWR_MA0001_01_s_2021_62				
Comment Code					
DE : Debris					
Inspector Comment					
Pile of PVC pipes should be removed.					

Photo 1 of 1 : SP_2023_MA0001_297_62_20230410_00014.jpg



View of the pile of PVC pipes at the 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	1
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID	16430				
Comment Code					
Inspector Comment					
DS_ID:16430 FS_ID:62869 EP_NO: 9487 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to 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. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 WS end still partially plugged. (A. Freitag - DWR Sutter Yard) 10/24/2016 WS end is till partially plugged. (A. Freitag - DWR Sutter Yard)04/25/2016 WS pipe end is still plugged with soil. Rest of the pipe appeared to be in good condition. (A. Freitag - DWR Sutter Yard)04/20/2015 WS pipe end is plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment.10/18/2012 Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gates in corrugated metal pipe (CMP) riser located on the waterside (WS) slope. Pipe daylights on the landside (LS). (36-inch pipe [HLM 1.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9487, 1974 - Jimeno Rancho). [Additional Reference(s): DWR Levee Log, 1992 (HLM 1.97).USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 103+18), listed as 36-inch pipe]. FS Date: 2/23/2021 9:20:38 AM					

Photo 1 of 3 : UCIP_SP_2023_62869_91151.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	1 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231866°	39.231866°	
			-122.015442°	-122.015442°	
DWR ID	16430				

Photo 2 of 3 : UCIP_SP_2023_62869_91152.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.92	Rating **	U	Issue No.	1 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62869_91154.jpg



Water-Side: View of levee slope looking towards crown. Pipe end 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	3
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.231880°	39.231880°
				-122.015432°	-122.015432°
DWR ID	17565				
Comment Code					
Inspector Comment					
DS_ID:17565 FS_ID:62871 EP_NO: 9487 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to 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. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Ws end still partially plugged. (A. Freitag - DWR Sutter Yard)10/24/2016 Ws pipe end still plugged. (A. Freitag - DWR Sutter Yard)04/25/2016 WS pipe end still plugged with soil. rest of pipe appears in good condition. (A. Freitag - DWR Sutter Yard)04/20/2015 WS pipe end plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris.10/18/2012 WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gates in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe daylights on the landside (LS). (36-inch pipe [HLM 1.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9487, 1974 - Jimeno Rancho) [Additional Reference(s): DWR Levee Log, 1992 (HLM 1.97).USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 103+18), listed as 36-inch pipe]. FS Date: 2/23/2021 9:23:26 AM					

Photo 1 of 3 : UCIP_SP_2023_62871_91162.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	3 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231880°	39.231880°	
			-122.015432°	-122.015432°	
DWR ID	17565				

Photo 2 of 3 : UCIP_SP_2023_62871_91165.jpg



Land-Side: Pipe end at levee toe

LM Start	1.92	Rating **	U	Issue No.	3 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62871_91167.jpg



Water-Side: Pipe end 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	8
LM End	2.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.235993°	39.235993°
				-122.012970°	-122.012970°
DWR ID	16429				
Comment Code					
Inspector Comment					
DS_ID:16429 FS_ID:62872 EP_NO: 9472 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to 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. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Crossing appears abandoned. Soil blocks more than 80% of pipe end at landside toe. (O.Yakimov - DWR UCIP) 05/03/2017 LS inlet partially plugged with soil. Some debris still present inside riser. (A. Freitag - DWR Sutter Yard)10/24/2016 Debris still inside of riser. (A. Freitag - DWR Sutter Yard)04/25/2016 Pipe still inside of riser and LS end plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/18/2012 Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 54-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe daylights at landside toe. This pipe crosses the levee at angle. (54-inch pipe [HLM 2.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9472, 1974 - Ballard). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.29). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 120+00), listed as 54-inch pipe]. FS Date: 2/23/2021 9:25:10 AM					

Photo 1 of 3 : UCIP_SP_2023_62872_91172.jpg



Land-Side: View of levee crown 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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	8 (cont)
LM End	2.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID	16429				

Photo 2 of 3 : UCIP_SP_2023_62872_91173.jpg



Land-Side: Pipe inlet blocked with soil

LM Start	2.23	Rating **	U	Issue No.	8 (cont)
LM End	2.23	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62872_91169.jpg



Water-Side: Pipe end 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	10
LM End	2.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.236178°	39.236178°
				-122.012812°	-122.012812°
DWR ID	16428				
Comment Code					
Inspector Comment					
DS_ID:16428 FS_ID:62873 EP_NO: 9467 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. 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. Crossing appears abandoned. Pipe ends on both slopes are buried in soil. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Abanoned- needs to be done so properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. Unable to locate any WS and LS pipe ends. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/18/2012 Only riser visible. Debris and sediment blocking gate. Gate inside riser is buried and non-functional. If crossing is abandoned, owner needs to properly abandon. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0132 no culvert through the levee is visible here. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in CM pipe riser on the waterside (WS) slope. No signs of inlet visible on the landside (LS). (24-inch pipe [HLM 2.31] authorized under Automatic Board Order (ABO) issued as Permit No. 9467, 1974 - Lovell E. Spurgeon). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.31). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 120+60), listed as 24-inch pipe]. FS Date: 2/23/2021 9:30:51 AM					

Photo 1 of 3 : UCIP_SP_2023_62873_91177.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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	10 (cont)
LM End	2.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	16428				

Photo 2 of 3 : UCIP_SP_2023_62873_91176.jpg



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

LM Start	2.25	Rating **	M	Issue No.	10 (cont)
LM End	2.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62873_91179.jpg



Land-Side: View of levee slope looking from toe. Pipe end not found

LM Start	2.25	Rating **	M	Issue No.	83
LM End	2.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.236232°	39.236232°
				-122.012797°	-122.012797°
DWR ID	DWR_MA0001_01_f_2022_83				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.53	Rating **	M	Issue No.	88
LM End	2.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.239764°	39.239764°
				-122.010397°	-122.010397°
DWR ID	DWR_MA0001_01_s_2019_88				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The fig tree should be removed from the landside shoulder.					

Photo 1 of 1 : SP_2023_MA0001_297_88_20230410_00023.jpg



View of the fig tree on 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	11
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410°	39.243410°
				-122.008393°	-122.008393°
DWR ID	16416				

Comment Code

Inspector Comment

DS_ID:16416
FS_ID:62892
EP_NO: 9474
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Missing slide gate on pipe in concrete box on waterside slope creates flood threat to landside. Crossing appears abandoned. Concrete box on waterside filled with soil, soil deposits inside and around pipe end on landside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 Appears abandoned- WS vault full of soil. Needs to be abandoned properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be abandoned. WS vault full of soil to help prevent water from flowing through during high water season. (A. Freitag - DWR Sutter Yard)04/25/2016 Concrete box was filled with dirt to help prevent water from through during high water times. (A. Freitag - DWR Sutter Yard)04/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/18/2012 During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned-slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 2: 60-inch reinforced concrete irrigation pipe through the levee, approximately 12-15 feet below the crown. Culvert constructed with wing walls and gates. This crossing penetrates the levee at an angle. Slide gates in concrete well at the waterside (WS) toe. (60-inch pipe [HLM 2.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9474, 1974 - George R. Zumwalt, et al). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.89). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 150+06), listed as 5-foot by 5-foot concrete culvert with hand-operated slide gate].
FS Date: 2/23/2021 1:57:40 PM

Photo 1 of 3 : UCIP_SP_2023_62892_91308.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	11 (cont)	
LM End	2.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.243410°	39.243410°	
				-122.008393°	-122.008393°	
DWR ID	16416					

Photo 2 of 3 : UCIP_SP_2023_62892_91309.jpg



Water-Side: View of abandoned concrete box on levee slope

LM Start	2.81	Rating **	U	Issue No.	11 (cont)
LM End	2.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62892_91307.jpg



Land-Side: View of headwall and pipe end partially blocked with soil

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	12
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243433°	39.243433°
				-122.008386°	-122.008386°
DWR ID	17567				

Comment Code

Inspector Comment

DS_ID:17567
FS_ID:62894
EP_NO: 9474
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Missing slide gate on pipe in concrete box on waterside slope creates flood threat to landside. Crossing appears abandoned. Concrete box on waterside filled with soil, soil deposits inside and around pipe end on landside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 Appears abandoned- WS vault full of soil. Needs to be abandoned properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be abandoned. WS vault full of soil to help prevent water from flowing through during high water season. (A. Freitag - DWR Sutter Yard)04/25/2016 Concrete box on WS was filled with soil to help prevent water form flowing through during times of high water. (A. Freitag - DWR Sutter Yard)04/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/18/2015 During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned-slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 60-inch reinforced concrete irrigation pipe through the levee, approximately 12-15 feet below the crown. Culvert constructed with wing walls and gates. Crossing goes through the levee at an angle. Slide gates in concrete well at the waterside (WS) toe. (60-inch pipe [HLM 2.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9474, 1974 - George R. Zumwalt, et al).
[Additional Reference(s): DWR Levee Log, 1992 (HLM 2.89). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 150+06), listed as 5-foot by 5-foot concrete culvert with hand-operated slide gate].
FS Date: 2/23/2021 2:01:03 PM

Photo 1 of 3 : UCIP_SP_2023_62894_91323.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	12 (cont)
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.243433°	39.243433°	
			-122.008386°	-122.008386°	
DWR ID	17567				

Photo 2 of 3 : UCIP_SP_2023_62894_91324.jpg



Water-Side: Abandoned, filled with soil concrete box on levee slope, buried headwall at toe

LM Start	2.81	Rating **	U	Issue No.	12 (cont)
LM End	2.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62894_91321.jpg



Land-Side: Headwall at the toe. Irrigation ditch starts at pipe outfall

LM Start	3.05	Rating **	U	Issue No.	5
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.246813°	39.255976°
				-122.008155°	-122.009794°
DWR ID	DWR_MA0001_01_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_5_20230410_00002.jpg



View of the concrete lined ditch along the landside toe.

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.33	Rating **	M	Issue No.	13
LM End	3.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.250843 °	39.250843 °	
			-122.007992 °	-122.007992 °	
DWR ID	16426				

Comment Code

Inspector Comment

DS_ID:16426
FS_ID:62896
EP_NO: 9490
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Bent stem has been repaired, pipe inlet and outfall cleared from sediment. (O.Yakimov - DWR UCIP)
05/03/2017 Sediment build up in WS pipe end. WS slide gate stem bent but it does not affect its operation. (A. Freitag - DWR Sutter Yard)10/24/2016 WS slide gate stem is still bent. (A. Freitag - DWR Sutter Yard)04/25/2016 WS slide gate is slightly bent. Rest of crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard) 04/20/2015 LS inlet still has some minor sediment build up. Needs to be cleaned. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up.10/18/2012 LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward toe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. (36-inch pipe [HLM 3.78] authorized under Automatic Board Order (ABO) issued as Permit No. 9490, 1955 - Charles & Virginia Yerxa). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.39). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 177+67), listed as 36-inch pipe].
FS Date: 2/23/2021 2:05:19 PM

Photo 1 of 3 : UCIP_SP_2023_62896_91330.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.33	Rating **	M	Issue No.	13 (cont)
LM End	3.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.250843 °	39.250843 °	
			-122.007992 °	-122.007992 °	
DWR ID	16426				

Photo 2 of 3 : UCIP_SP_2023_62896_91331.jpg



Water-Side: CMP riser on levee slope

LM Start	3.33	Rating **	M	Issue No.	13 (cont)
LM End	3.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62896_91332.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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.68	Rating **	U	Issue No.	15
LM End	3.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID	16436				

Comment Code

Inspector Comment

DS_ID:16436
FS_ID:62897
EP_NO: 4213
Repair Type: Urgent
EVAL Issue: 2b, Levee Integrity
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Urgent. Existing sinkhole in pipe alignment at pumphouse wall measures 5 feet in diameter and about 1 foot deep. Recommend owner perform pipe integrity test. (O.Yakimov - DWR UCIP)
10/01/2018 Sinkhole near concrete structure on the LS was filled with soil and debris. Flow meter at the WS shoulder and a manometer on the pipe on the LS shoulder was installed. Video inspection is recommended to determine pipe integrity through levee. (O.Yakimov - DWR UCIP)05/03/2017 Sinkhole still present next to concrete structure on LS. (A. Freitag - DWR Sutter Yard)10/24/2016 Pump is on WS. Sinkhole still present over pipe alignment next to the concrete building. (A. Freitag - DWR Sutter Yard)04/25/2016 No repairs have been made since last inspection. Sink holes are still present above pipe next to concrete building on LS. (A. Freitag - DWR Sutter Yard)04/20/2015 Sink hole over pipe alignment on LS up against the concrete building. Need to dig up pipe and see if its leaking. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Recommend adding door to LS concrete structure. Riser located on landward side is damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194 no issues logged. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch asphalt coated steel irrigation pipe through the levee, approximately 10 feet below the crown. Gate valve and flow meter on the waterside (WS) shoulder. 1-1/4 inch conduit through the levee. Siphon breaker on the landside (LS) shoulder. Concrete distribution box and control box located on the LS. Pump and walkway located on the WS berm. This crossing replaces 24-inch pipe (see DSID 25707). (24-inch pipe authorized under Permit No. 4213, 1963 - N.J. Scott Ranch). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.77)].
FS Date: 2/23/2021 2:07:42 PM

Photo 1 of 3 : UCIP_SP_2023_62897_91346.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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.68	Rating **	U	Issue No.	15 (cont)
LM End	3.68	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.255803 °	39.255803 °	
			-122.009683 °	-122.009683 °	
DWR ID	16436				

Photo 2 of 3 : UCIP_SP_2023_62897_91345.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.68	Rating **	U	Issue No.	15 (cont)
LM End	3.68	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62897_91347.jpg



Land-Side: View of sinkhole filled with leaves at pumphouse wall

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.69	Rating **	M	Issue No.	16
LM End	3.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255936°	39.255936°
				-122.009787°	-122.009787°
DWR ID	16424				

Comment Code

Inspector Comment

DS_ID:16424
FS_ID:62898
EP_NO: 9490
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing appears abandoned. Abandoned pump located inside of concrete distribution box at landside levee toe. Concrete box open at ground level creates fall hazard. Pipe not found on waterside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 Abandoned- Needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. Needs a cover made for the LS distribution box. (A. Freitag - DWR Sutter Yard)04/25/2016 ABANDONED crossing and should be abandoned properly. Concrete distribution box on LS is opened on top and could pose a safety hazard with falling. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard) 06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID#
USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues logged. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, approximately 12-15 feet below the crown. Concrete distribution box with pump system located on the landside (LS). Slide gate on the waterside (WS) slope--removed. 18-inch pipe visible on the LS inside 10-foot by 16-foot concrete box. Pipe crossing levee at angle. (36-inch pipe [HLM 3.78] authorized under Automatic Board Order (ABO) issued as Permit No. 9490, 1974 - Charles and Virginia Yerxa). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.78), referenced as abandoned 36-inch CMP-inch pipe.USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 197+19), listed as 36-inch pipe].
FS Date: 2/23/2021 2:11:35 PM

Photo 1 of 3 : UCIP_SP_2023_62898_91353.jpg



Land-Side: Abandoned pipe and pump inside of concrete box

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.69	Rating **	M	Issue No.	16 (cont)	
LM End	3.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.255936°		39.255936°
				-122.009787°		-122.009787°
DWR ID	16424					

Photo 2 of 3 : UCIP_SP_2023_62898_91351.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.69	Rating **	M	Issue No.	16 (cont)
LM End	3.69	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62898_91350.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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.72	Rating **	M	Issue No.	17	
LM End	3.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.256246°	39.256246°	
				-122.009974°	-122.009974°	
DWR ID	17659					
Comment Code						
Inspector Comment						
DS_ID:17659 FS_ID:62900 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing not found. 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. No permit has been identified authorizing pipe. Updated coordinates of crossing to match location to O&M (STA 198+00). (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard) 06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 10/19/2012 USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee at an unknown depth below the crown. Automatic drainage gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 198+00), listed as 18-inch pipe]. FS Date: 2/23/2021 2:19:54 PM						

Photo 1 of 3 : UCIP_SP_2023_62900_91370.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.72	Rating **	M	Issue No.	17 (cont)
LM End	3.72	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.256246°	39.256246°	
			-122.009974°	-122.009974°	
DWR ID	17659				

Photo 2 of 3 : UCIP_SP_2023_62900_91371.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.72	Rating **	M	Issue No.	17 (cont)
LM End	3.72	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62900_91372.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.73	Rating **	M	Issue No.	102
LM End	3.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.256321°	39.256321°
				-122.010220°	-122.010220°
DWR ID	DWR_MA0001_01_s_2019_102				
Comment Code					
FW : Firewood					
Inspector Comment					
The firewood should be removed from the landside toe.					

Photo 1 of 1 : SP_2023_MA0001_297_102_20230410_00028.jpg



View of the pile of firewood at the landside toe. Spring 2020.

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.88	Rating **	M	Issue No.	50
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.257125°	39.257125°
				-122.012648°	-122.012648°
DWR ID	DWR_MA0001_01_f _ 2013_50				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.95	Rating **	U	Issue No.	20
LM End	3.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073°	39.258073°
				-122.013165°	-122.013165°
DWR ID	16422				

Comment Code

Inspector Comment

DS_ID:16422
FS_ID:62902
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to 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. Debris and sediment need to be cleared around screw gate on waterside slope for proper operation. Unauthorized encroachment recorded in Levee Log prior to 2011. (O.Yakimov - DWR UCIP)
05/03/2017 Appears abandoned- needs to be done so properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard) 04/20/2015 Debris is still blocking gate. Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris.10/19/2012 WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, unknown depth below the crown. Walkway to slide gate on the waterside (WS) end. Walkway has been removed. Flap gate in concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992 (HLM 4.05)].
FS Date: 2/23/2021 2:23:36 PM

Photo 1 of 3 : UCIP_SP_2023_62902_91391.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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	3.95	Rating **	U	Issue No.	20 (cont)
LM End	3.95	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.258073 °	39.258073 °	
			-122.013165 °	-122.013165 °	
DWR ID	16422				

Photo 2 of 3 : UCIP_SP_2023_62902_91394.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.95	Rating **	U	Issue No.	20 (cont)
LM End	3.95	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62902_91395.jpg



Water-Side: U-shaped headwall and screw gate in debris on levee slope

LM Start	4.95	Rating **	M	Issue No.	110
LM End	4.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.264973 °	39.264973 °
				-122.015473 °	-122.015473 °
DWR ID	DWR_MA0001_01_s_2019_110				
Comment Code					
MA : Material					
Inspector Comment					
The materials should be removed from the landside toe.					

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	4.97	Rating **	U	Issue No.	21
LM End	4.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.264924°	39.264924°
				-122.015887°	-122.015887°
DWR ID	16420				
Comment Code					
Inspector Comment					
DS_ID:16420 FS_ID:62908 EP_NO: 4903 Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Pipe is 18-20 feet below levee crown open on waterside poses potential flood threat to landside. Pipe is capped at landside toe. Crossing appears abandoned. (O.Yakimov - DWR UCIP) 05/03/2017 Appears abandoned- if so needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 appears to be abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard)04/20/2015 Suspect that pump on LS is a well pump and has nothing to do with this crossing. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Unable to locate siphon breaker, pump on LS; unable to tell if pump system is part of appurtenances. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0233 for utility pole and 8 inch steel riser located on landward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 12-inch asphalt coated steel irrigation pipe through the levee, approximately 18-20 feet below the crown. Siphon breaker in 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder--not found. 3-inch electrical conduit through the levee--not found. Utility pole visible on the LS. Well station visible on the LS. No appurtenances visible on the waterside (WS). (12-inch irrigation pipe and electrical conduit authorized under Permit No. 4903, 1965 - Mattie B. Zumwalt Company). (Irrigation pipe and portable pump authorized under Permit No. 4903-A, 1965 - Mattie B. Zumwalt Company). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.08)]. FS Date: 2/23/2021 2:58:13 PM					

Photo 1 of 3 : UCIP_SP_2023_62908_91426.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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	4.97	Rating **	U	Issue No.	21 (cont)
LM End	4.97	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.264924°	39.264924°	
			-122.015887°	-122.015887°	
DWR ID	16420				

Photo 2 of 3 : UCIP_SP_2023_62908_91427.jpg



Land-Side: Capped pipe at levee toe

LM Start	4.97	Rating **	U	Issue No.	21 (cont)
LM End	4.97	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62908_91429.jpg



Water-Side: View of pipe end open at riverbank

LM Start	4.97	Rating **	M	Issue No.	113
LM End	4.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.264922°	39.264922°
				-122.015955°	-122.015955°
DWR ID	DWR_MA0001_01_f_2016_113				
Comment Code					
EQ : Equipment					
Inspector Comment					
Move the equipment at least 10' away from the levee toe.					

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	22
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069°	39.272069°
				-122.023240°	-122.023240°
DWR ID	16419				
Comment Code					
Inspector Comment					
DS_ID:16419 FS_ID:62909 EP_NO: 9476 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Sediment inside the pipe and at headwall on landside needs clearing. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Culvert has sediment build up in it- needs to be cleaned out. (A. Freitag - DWR Sutter Yard)10/24/2016 LS outlets becoming over grown with vegetation in the ditch. (A. Freitag - DWR Sutter Yard)04/25/2016 WS entry still blocked and wingwalls still cracked. (A. Freitag - DWR Sutter Yard)04/20/2015 WS entry still blocked and wingwalls still cracked. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal irrigation pipe and concrete box culvert through the levee at an unknown depth below the crown. Concrete headwall visible on the landside (LS) toe. (36-inch pipe [HLM 5.85] authorized under Automatic Board Order (ABO) issued as Permit No. 9476, 1974 - Howard and Nadine Ohliger). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.85), listed as 15 feet long 36-inch pipe and concrete box culvert through the levee]. FS Date: 2/23/2021 3:24:08 PM					

Photo 1 of 3 : UCIP_SP_2023_62909_91436.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	22 (cont)
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069°	39.272069°
				-122.023240°	-122.023240°
DWR ID	16419				

Photo 2 of 3 : UCIP_SP_2023_62909_91431.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.72	Rating **	M	Issue No.	22 (cont)
LM End	5.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62909_91437.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	24
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069°	39.272069°
				-122.023240°	-122.023240°
DWR ID	17569				
Comment Code					
Inspector Comment					
DS_ID:17569 FS_ID:62910 EP_NO: 9476 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Sediment blocking more than 50% of pipe cross section area as seen at headwall on landside, needs clearing. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2107 Culvert has sediment build up in it- needs to be cleaned out. (A. Freitag - DWR Sutter Yard)10/24/2016 LS outlets becoming overgrown with vegetation in the dtch. (A. Freitag - DWR Sutter Yard)04/25/2016 WS entry still blocked and wingwalls still cracked. (A. Freitag - DWR Sutter Yard)04/20/2015 WS entry still blocked and wingwalls still cracked. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal irrigation pipe (15 feet long) and concrete box culvert through the levee at an unknown depth below the crown. Slide gate located on the waterside (WS). Concrete headwall visible on the landside (LS) toe. (36-inch pipe [HLM 5.85] authorized under Automatic Board Order (ABO) issued as Permit No. 9476, 1974 - Howard and Nadine Ohliger). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.85), listed as 15 feet long 36-inch pipe and concrete box culvert through the levee]. FS Date: 2/23/2021 3:26:52 PM					

Photo 1 of 3 : UCIP_SP_2023_62910_91440.jpg



Water-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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	24 (cont)
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.272069 °	39.272069 °	
			-122.023240 °	-122.023240 °	
DWR ID	17569				

Photo 2 of 3 : UCIP_SP_2023_62910_91441.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.72	Rating **	M	Issue No.	24 (cont)
LM End	5.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62910_91438.jpg



Water-Side: Abandoned pumphouse, slant pump at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	25	
LM End	5.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.272400°	39.272400°	
				-122.023248°	-122.023248°	
DWR ID	17658					
Comment Code						
Inspector Comment						
DS_ID:17658 FS_ID:62911 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. 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. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 303+70), listed as 36-inch pipe]. FS Date: 2/23/2021 3:28:33 PM						

LM Start	5.75	Rating **	M	Issue No.	25 (cont)
LM End	5.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2023_62911_91445.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2023_62911_91446.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	25 (cont)
LM End	5.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.272400 °	39.272400 °
				-122.023248 °	-122.023248 °
DWR ID	17658				

Photo 3 of 3 : UCIP_SP_2023_62911_91447.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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.77	Rating **	U	Issue No.	27
LM End	5.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272829°	39.272829°
				-122.023282°	-122.023282°
DWR ID	16418				

Comment Code

Inspector Comment

DS_ID:16418
FS_ID:62912
EP_NO: 6263
Repair Type: Urgent
EVAL Issue: 2a, Levee Integrity
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Pipe exposed in a trench on waterside starting 20 feet from waterside levee toe going toward pumps. Pumps are dismantled, discharge pipe cut open under pumping platform. Unable to find a permit for modification. (O.Yakimov - DWR UCIP)
05/03/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/25/2016 Pressure gauge and valve were added to pipe near the siphon breaker on LS shoulder. (A. Freitag - DWR Sutter Yard)04/20/2015 Modifications are being made to pipe near the LS shoulder. Not sure what all exactly is being done. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Debris cleared from in front of LS standpipe. (A. Freitag - DWR Sutter Yard)10/19/2012 Remove debris from landward side see photo 2. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0249 however, unable to determine why crossing was marked "U". (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 18-inch asphalt coated steel irrigation pipe through the levee, 2 feet below the crown. Siphon breaker on the landside (LS) shoulder. Corrugated metal pipe (CMP) riser located on the LS connects with concrete V-ditch. Dual slant pumps and gate valves on the bank approximately 215 feet from waterside (WS) toe. Pumps feed into single 18-inch steel pipe. 2-inch electrical conduit buried in the same trench as the irrigation pipe. (18-inch pipe authorized under Permit No. 6263, 1968 - Charles W. Tuttle). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.90)].
FS Date: 2/23/2021 3:41:43 PM

Photo 1 of 3 : UCIP_SP_2023_62912_91449.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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	5.77	Rating **	U	Issue No.	27 (cont)
LM End	5.77	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.272829°	39.272829°	
			-122.023282°	-122.023282°	
DWR ID	16418				

Photo 2 of 3 : UCIP_SP_2023_62912_91455.jpg



Water-Side: View of open pipe under pile structure at riverbank

LM Start	5.77	Rating **	U	Issue No.	27 (cont)
LM End	5.77	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62912_91456.jpg



Water-Side: Damaged pipe in the trench likely due to excavation

LM Start	5.95	Rating **	U	Issue No.	41
LM End	5.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.275336°	39.275336°
				-122.023609°	-122.023609°
DWR ID	DWR_MA0001_01_s_2023_41				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_41_20230414_00105.jpg



View of a fallen tree on the waterside slope and toe. Spring 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	6.24	Rating **	U	Issue No.	30
LM End	6.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.279462°	39.279462°
				-122.022461°	-122.022461°
DWR ID	16446				

Comment Code

Inspector Comment

DS_ID:16446
FS_ID:62913
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Urgent. 4-inch PVC sleeved through 36-inch steel pipe through levee. Screw gate can't be closed due to the PVC pipe. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
10/01/2018 PVC pipe underneath the slide gate that is located inside CMP riser on WS shoulder was restored and blocks gate from closing. Sediment built up at the bottom of CMP riser. PVC pipe needs to be removed in order to properly close slide gate. (O.Yakimov - DWR UCIP)05/03/2017 Pipe leaked during the Jan/Feb 2017 high water event. Sand bags were placed at both the LS and WS outlets as well as down inside the standpipe to slow the water flow. The 5inch pvc was cut away but the slide gate could still not close fully. Suspect sediment build up was in the bottom of the stand pipe was blocking the gate. Inside of pipe should be cleaned out. (A. Freitag - DWR Sutter Yard)10/24/2016 Pvc was back running through the crossing and blocking the screwgate. photo attached. (A. Freitag - DWR Sutter Yard)09/28/2016 Crossing has been downgraded from Urgent to Non-Urgent 5-inch PVC pipe was cut to allow the slide gate to close. Need to contact owner to remove unauthorized pipe to comply with Title 23. (O. Magana - DWR UCIP)04/25/2016 5 inch pvc pipe running through crossing has been cut out to allow the slide gate to close. (A. Freitag - DWR Sutter Yard)04/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. There is no way to stop water from flowing through pipe during high water times. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch steel (not corrugated metal, as referenced in O&M manual) drainage pipe through the levee, approximately 14-16 feet below levee crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe also visible on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992 (HLM 6.38). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 331+31), listed as 36-inch pipe].

Photo 1 of 3 : UCIP_SP_2023_62913_91460.jpg



Top of Levee: View of levee crown looking upstream

* Location LS: Land Side WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable	+ 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

FS Date: 2/23/2021 3:47:40 PM

LM Start	6.24	Rating **	U	Issue No.	30 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2023_62913_91463.jpg



Water-Side: Screw gate and PVC pipe inside CMP riser

LM Start	6.24	Rating **	U	Issue No.	30 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62913_91459.jpg



Land-Side: 4-inch PVC with shut off valve sleeved through steel pipe

LM Start	6.35	Rating **	M	Issue No.	115
LM End	6.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.281062°	39.281425°
				-122.022110°	-122.022000°
DWR ID	DWR_MA0001_01_f_2016_115				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside slope and toe.					

Photo 1 of 1 : SP_2023_MA0001_297_115_20230410_00030.jpg



View of the prunings along the landside slope and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	31
LM End	6.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.281721°	39.281721°
				-122.021894°	-122.021894°
DWR ID	16425				

Comment Code

Inspector Comment

DS_ID:16425
FS_ID:62914
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing appears abandoned. Headwall and pipe on waterside not found. Slide gate removed from concrete riser on landside shoulder. Riser is covered with steel plate bolted to concrete. Soil inside pipe crossing blocking more than 50% of cross section. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/03/2017 Abandoned- needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID#
USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible). (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 72-inch corrugated metal (precast concrete) drainage pipe through the levee at an unknown depth below the crown. Structure is blocked on the waterside (WS) end with 3-foot concrete plug installed in 1980. Sliding metal gate (referenced in O&M manual) in concrete well on the landside (LS) shoulder. Concrete headwall at both toes. WS headwall not found. [Additional Reference(s): DWR Levee Log, 1992 (HLM 6.55), listed as abandoned 72-inch drain pipe. USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 339+74), listed as 72-inch pipe].
FS Date: 2/23/2021 3:49:23 PM

Photo 1 of 3 : UCIP_SP_2023_62914_70181.jpg



View of WS no structure features visible.

* Location LS: Land Side WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable	+ 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	31 (cont)
LM End	6.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.281721°	39.281721°	
			-122.021894°	-122.021894°	
DWR ID	16425				

Photo 2 of 3 : UCIP_SP_2023_62914_70180.jpg



Overview of levee crown looking downstream at crossing.

LM Start	6.40	Rating **	M	Issue No.	31 (cont)
LM End	6.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62914_70179.jpg



View of structure located in LS.

LM Start	6.98	Rating **	M	Issue No.	77
LM End	6.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.289935°	39.289935°
				-122.021462°	-122.021462°
DWR ID	DWR_MA0001_01_f_2020_77				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair erosion caused by vehicle on the slope.					

Photo 1 of 1 : SP_2023_MA0001_297_77_20230410_00018.jpg



View of the vehicle erosion along the landside slope. Fall 2020.

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	6.99	Rating **	U	Issue No.	32
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290147°	39.290147°	
			-122.021525°	-122.021525°	
DWR ID	16427				

Comment Code

Inspector Comment

DS_ID:16427
FS_ID:62915
EP_NO: 9482
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Missing slide gate at U-shaped headwall on waterside slope. Pipe outlet blocked with a pile of soil. Inlet to concrete culvert at landside toe is filled with soil blocking more than 50% of cross sectional area. Crossing appears abandoned. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 Abandoned- Needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned pipe. Needs to be properly plugged if it never gets used. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. Structure is still buried. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 2: 36-inch reinforced concrete irrigation pipe through the levee at approximately 18 feet below the crown. Wooden slide gates on the waterside (WS) end. Concrete headwalls located on both WS and landside (LS). (36-inch pipe [HLM 7.15] authorized under Automatic Board Order (ABO) issued as Permit No. 9482, 1974 - Elizabeth M. Farnsworth). [Additional Reference(s): DWR Levee Log, 1992 (HLM 7.15). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 370+90), listed as 4'-9" x 9'-6" concrete culvert and two hand operated slide gates].
FS Date: 2/23/2021 8:44:59 AM

Photo 1 of 3 : UCIP_SP_2023_62915_91471.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	6.99	Rating **	U	Issue No.	32 (cont)
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290147°	39.290147°	
			-122.021525°	-122.021525°	
DWR ID	16427				

Photo 2 of 3 : UCIP_SP_2023_62915_91474.jpg



Water-Side: Concrete headwall on levee slope. Missing slide gate, pipe buried under soil

LM Start	6.99	Rating **	U	Issue No.	32 (cont)
LM End	6.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62915_91470.jpg



Land-Side: Concrete box culvert filled with soil

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	7.27	Rating **	U	Issue No.	33
LM End	7.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.294074°	39.294074°
				-122.021435°	-122.021435°
DWR ID	16456				
Comment Code					
Inspector Comment					
DS_ID:16456 FS_ID:62917 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Wooden stem at one of wooden slide gate is broken at level of concrete vault making slide gate non-operable, slide gate in open position. Crack in body of remaining stem. Concrete vault is open at ground level creates fall hazard. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Culvert was flowing water during site visit. Appears to be in good condition. Some sediment build up in the bottom of WS box. (A. Freitag - DWR Sutter Yard)10/24/2016 Notes mentioned needing to confirm size of the culvert but was unable to access the ends at this inspection. (A. Freitag - DWR Sutter Yard)04/25/2016 Second slide gate was held open to allow water to flow through to the LS ditch. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. Rebar pin was still in place holding the gate opened. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Sediment and debris on waterward and landward side. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0293 for wooden slide gate held open by a piece of rebar acting as a pin. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 60-inches by 72-inches (5-foot by 6-foot) reinforced concrete box irrigation culvert (O&M manual references 3-foot and 10-inch by 6-foot culvert) through the levee, approximately 12-15 feet below the crown. Two wooden slide gates on the waterside (WS) end. Concrete v-ditch along landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992 (HLM 7.43). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 385+33.5), listed as 3'-10" x 6' concrete culvert] FS Date: 2/23/2021 8:52:55 AM					

Photo 1 of 3 : UCIP_SP_2023_62917_91485.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	7.27	Rating **	U	Issue No.	33 (cont)
LM End	7.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.294074°	39.294074°	
			-122.021435°	-122.021435°	
DWR ID	16456				

Photo 2 of 3 : UCIP_SP_2023_62917_91483.jpg



Water-Side: View in concret vault on levee slope. Broken wood stem

LM Start	7.27	Rating **	U	Issue No.	33 (cont)
LM End	7.27	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62917_91484.jpg



Land-Side: Reinforced concrete box irrigation culvert visible at irrigation ditch at levee toe

LM Start	7.55	Rating **	M	Issue No.	42
LM End	16.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297442°	39.409298°
				-122.022510°	-122.009516°
DWR ID	DWR_MA0001_01_s_2023_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	8.69	Rating **	M	Issue No.	43
LM End	8.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.307805°	39.307805°
				-122.031290°	-122.031290°
DWR ID	DWR_MA0001_01_s_2023_43				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	8.95	Rating **	M	Issue No.	44
LM End	8.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.311546°	39.311546°
				-122.030541°	-122.030541°
DWR ID	DWR_MA0001_01_s_2023_44				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	10.13	Rating **	A/W	Issue No.	18
LM End	10.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.328697°	39.328697°
				-122.029262°	-122.029262°
DWR ID	DWR_MA0001_01_s_2012_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_18_20230410_00009.jpg



View of the erosion along the waterside of the 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	34	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.329776°	39.329776°	
				-122.029575°	-122.029575°	
DWR ID	17655					
Comment Code						
Inspector Comment						
DS_ID:17655 FS_ID:62921 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 10/06/2021 After review of O&M Manual updated coordinated of potential crossing to match O&M (STA 538+42). Recommend conducting geophysical survey at updated location. (O.Yakimov - DWR UCIP) 02/24/2021 Record remains Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee at (39.328124122.09260). Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Slide gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 538+42), listed as 36-inch pipe]. FS Date: 2/24/2021 10:43:23 AM						

Photo 1 of 3 : UCIP_SP_2023_62921_91502.jpg



Enter photo 1 description or comment here.

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	34 (cont)
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.329776°	39.329776°
				-122.029575°	-122.029575°
DWR ID	17655				

Photo 2 of 3 : UCIP_SP_2023_62921_91503.jpg



Enter photo 2 description or comment here.

LM Start	10.21	Rating **	M	Issue No.	34 (cont)
LM End	10.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62921_91504.jpg



Enter photo 3 description or comment here.

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	10.32	Rating **	A/W	Issue No.	6
LM End	10.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.331447°	39.332716°
				-122.029440°	-122.029953°
DWR ID	DWR MA0001 01 s 2022 6				

Comment Code

Inspector Comment

2018 Site ID: SAC 157.7 R

Status: Eroding

2018 Field Notes: Bank is heavily vegetated.

Site History: 2004 - Slowly eroding but near vertical with no vegetation to hold it. 2005 - Erosion is close to levee toe but not into the levee section yet. 2010 - Some new toe scour. 2017 - Vertical face of clayey sand bank, new tree popout. Bank continues to erode.

LM Start	10.32	Rating **	A/W	Issue No.	6 (cont)
LM End	10.41	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2023_MA0001_297_6_20230410_00003.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2023_MA0001_297_6_20230410_00004.jpg



USACE 2018 Erosion Photo #2

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	10.33	Rating **	M	Issue No.	108
LM End	10.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.331476°	39.331476°
				-122.030028°	-122.030028°
DWR ID	DWR_MA0001_01_f_2021_108				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	10.48	Rating **	M	Issue No.	45
LM End	10.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.333547°	39.333547°
				-122.031064°	-122.031064°
DWR ID	DWR_MA0001_01_s_2023_45				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	10.79	Rating **	M	Issue No.	75
LM End	10.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.337739°	39.337739°
				-122.032536°	-122.032536°
DWR ID	DWR_MA0001_01_s_2020_75				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	10.97	Rating **	M	Issue No.	109
LM End	10.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.340344°	39.340344°
				-122.032610°	-122.032610°
DWR ID	DWR_MA0001_01_f_2021_109				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	11.45	Rating **	M	Issue No.	48
LM End	11.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.347033°	39.347033°
				-122.031578°	-122.031578°
DWR ID	DWR_MA0001_01_s_2023_48				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	11.74	Rating **	M	Issue No.	23
LM End	11.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.351155°	39.351832°
				-122.030443°	-122.030295°
DWR ID	DWR_MA0001_01_s_2012_23				
Comment Code					
V6 : Landscaping					
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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	12.06	Rating **	M	Issue No.	4
LM End	13.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.355607°	39.362600°
				-122.028707°	-122.014497°
DWR ID	DWR_MA0001_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	12.53	Rating **	M	Issue No.	35	
LM End	12.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.359810°	39.359810°	
				-122.022247°	-122.022247°	
DWR ID	17654					
Comment Code						
Inspector Comment						
DS_ID:17654 FS_ID:62946 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/24/2021 Record is Non-Urgent. Crossing not found. 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. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 5/3/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/24/2016 Unable to locate.(DWR Sutter Yard- AFreitag)4/25/2016 Unable to locate.4/21/2015 Unable to locate.6/23/2014 Unable to locate.12/17/2013 Unable to locate.7/22/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Slide gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 670+00), listed as 30-inch pipe]. FS Date: 2/24/2021 3:17:11 PM						

Photo 1 of 3 : UCIP_SP_2023_62946_91650.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	12.53	Rating **	M	Issue No.	35 (cont)
LM End	12.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.359810°	39.359810°
				-122.022247°	-122.022247°
DWR ID	17654				

Photo 2 of 3 : UCIP_SP_2023_62946_91651.jpg



Water-Side: View of levee slope looking from crown

LM Start	12.53	Rating **	M	Issue No.	35 (cont)
LM End	12.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_62946_91652.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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	12.69	Rating **	U	Issue No.	36
LM End	12.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359843°	39.359843°
				-122.019529°	-122.019529°
DWR ID	16445				

Comment Code

Inspector Comment

DS_ID:16445
FS_ID:62947
EP_NO: 9462
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 02/24/2021 Record updated from Non-Urgent to Urgent. 6-inch steel pipe sleeved through CMP pipe. Screw gate on waterside slightly open and burried in soil. Soil and debris deposits inside CMP pipe. Crossing appears abandoned. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
5/3/2017 Appears abandoned- needs to be done properly.(DWR Sutter Yard- A.Freitag)10/24/2016 Appears abandoned. LS concrete canal is filled by pipe DSID 16444.4/25/2016 Appears to be an abandoned crossing. WS slide gate still buried and inoperable.4/21/2015 Same as last inspection. 6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.10/30/2012 Slide gate unoperable-blocked by sediment. LS-flap gate missing. 5-inch pipe goes through 24-inch crossing--unable to determine is authorized. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0435 for smaller pipe running inside existing crossing.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, approximately 10 feet below the crown. Slide gate on both waterside (WS) and landside (LS). Gate missing on the LS. (24-inch pipe [HLM 12.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9462, 1974 - Thousand Acre Ranch). [Additional Reference(s): DWR Levee Log, 1992 (HLM 12.97)].
FS Date: 2/24/2021 3:19:42 PM

Photo 1 of 3 : UCIP_SP_2023_62947_91658.jpg



Water-Side: Screw gate burried in soil

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	12.69	Rating **	U	Issue No.	36 (cont)
LM End	12.69	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.359843 °	39.359843 °	
			-122.019529 °	-122.019529 °	
DWR ID	16445				

Photo 2 of 3 : UCIP_SP_2023_62947_91659.jpg



Land-Side: 6-inch steel pipe sleeved through drainage pipe, view in irrigation ditch

LM Start	12.69	Rating **	U	Issue No.	36 (cont)
LM End	12.69	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_62947_91653.jpg



Land-Side: View inside of pipe looking from irrigation ditch

LM Start	13.28	Rating **	U	Issue No.	84
LM End	13.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.364990°	39.364990°
				-122.015672°	-122.015672°
DWR ID	DWR_MA0001_01_f_2022_84				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_84_20230410_00019.jpg



View of the rodent activity along the landside slope. Fall 2022.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	13.61	Rating **	M	Issue No.	37	
LM End	13.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.369523°	39.369523°	
				-122.014199°	-122.014199°	
DWR ID	17653					
Comment Code						
Inspector Comment						
DS_ID:17653 FS_ID:62953 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 05/23/2017 Record is Non-Urgent. Crossing not found. 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. No permit has been identified authorizing pipe. (A.Freitag - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/21/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 727+65), listed as 36-inch pipe]. FS Date: 5/23/2017 12:01:00 PM						

LM Start	13.61	Rating **	M	Issue No.	37 (cont)
LM End	13.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2023_62953_91691.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2023_62953_91692.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	13.61	Rating **	M	Issue No.	37 (cont)
LM End	13.61	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.369523°	39.369523°	
			-122.014199°	-122.014199°	
DWR ID	17653				

Photo 3 of 3 : UCIP_SP_2023_62953_91693.jpg



Land-Side: View of levee slope looking from crown

LM Start	13.65	Rating **	M	Issue No.	49
LM End	13.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.370097°	39.370097°
				-122.013915°	-122.013915°
DWR ID	DWR_MA0001_01_s_2023_49				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	15.07	Rating **	M	Issue No.	121
LM End	15.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.389884°	39.389884°
				-122.013231°	-122.013231°
DWR ID	DWR_MA0001_01_s_2019_121				
Comment Code					
EQ : Equipment					
Inspector Comment					
The materials and equipment should be removed from the landside toe.					

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	15.23	Rating **	M	Issue No.	122
LM End	15.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.391990°	39.391990°
				-122.012377°	-122.012377°
DWR ID	DWR_MA0001_01_s_2019_122				
Comment Code					
FE : Fence					
Inspector Comment					
The fence on the landside slope should be removed or the owner should apply for a permit.					

No Photos

LM Start	15.84	Rating **	U	Issue No.	86
LM End	15.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.400601°	39.401365°
				-122.009889°	-122.009374°
DWR ID	DWR_MA0001_01_s_2016_86				
Comment Code					
BU : Building					
Inspector Comment					
Mobile homes and trailers are within the landside toe easement.					

Photo 1 of 1 : SP_2023_MA0001_297_86_20230410_00022.jpg



View of the mobile homes along the landside toe. Spring 2021.

LM Start	15.86	Rating **	N	Issue No.	131
LM End	15.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.400875°	39.400875°
				-122.009680°	-122.009680°
DWR ID	DWR_MA0001_01_f_2016_131				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
About 7 stumps are present on the landside slope and toe.					

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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	16.00	Rating **	U	Issue No.	89
LM End	16.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.402756°	39.403040°
				-122.009261°	-122.009186°
DWR ID	DWR_MA0001_01_s_2016_89				
Comment Code					
BU : Building					
Inspector Comment					
Red house and metal fence runs along the landside toe.					

Photo 1 of 1 : SP_2023_MA0001_297_89_20230410_00024.jpg



View of the building and corrugated metal fence along the landside slope. Fall 2021.

LM Start	16.03	Rating **	U	Issue No.	90
LM End	16.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.403206°	39.403206°
				-122.009116°	-122.009116°
DWR ID	DWR_MA0001_01_s_2023_90				
Comment Code					
BU : Building					
Inspector Comment					
Metal sided building is at the landside toe.					

Photo 1 of 1 : SP_2023_MA0001_297_90_20230410_00025.jpg



View of a corrugated metal building obstructing visibility and access.

LM Start	16.06	Rating **	U	Issue No.	91
LM End	16.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.403565°	39.403565°
				-122.009039°	-122.009039°
DWR ID	DWR_MA0001_01_s_2016_91				
Comment Code					
BU : Building					
Inspector Comment					
Long, white metal building with several AC units is at the landside toe.					

Photo 1 of 1 : SP_2023_MA0001_297_91_20230410_00026.jpg



View of a building obstructing access.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	16.08	Rating **	U	Issue No.	14
LM End	16.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.403930°	39.403930°
				-122.008925°	-122.008925°
DWR ID	DWR_MA0001_01_s_2012_14				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_14_20230410_00008.jpg



View of the building on the waterside slope. Spring 2020.

LM Start	16.10	Rating **	U	Issue No.	26
LM End	16.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.404135°	39.404135°
				-122.008797°	-122.008797°
DWR ID	DWR_MA0001_01_s_2012_26				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_26_20230410_00010.jpg



View of the building on the landside slope. Spring 2020.

LM Start	16.10	Rating **	M	Issue No.	74
LM End	16.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.404255°	39.404255°
				-122.008842°	-122.008842°
DWR ID	DWR_MA0001_01_s_2015_74				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove the landscape from the landside slope and toe.					

Photo 1 of 1 : SP_2023_MA0001_297_74_20230410_00017.jpg



View of the landscaping along the landside slope and toe. Spring 2020.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	16.26	Rating **	M	Issue No.	134
LM End	16.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.406520°	39.406520°
				-122.008635°	-122.008635°
DWR ID	DWR_MA0001_01_f_2016_134				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_134_20230410_00031.jpg



View of the landscaping and fruit trees along the landside toe. Spring 2021.

LM Start	16.31	Rating **	U	Issue No.	46
LM End	16.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407225°	39.407545°
				-122.008570°	-122.008640°
DWR ID	DWR_MA0001_01_s_2012_46				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_46_20230410_00011.jpg



View of the buildings along the landside toe. Spring 2020.

LM Start	16.34	Rating **	U	Issue No.	47
LM End	16.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407670°	39.407823°
				-122.008685°	-122.008740°
DWR ID	DWR_MA0001_01_s_2012_47				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0001_297_47_20230410_00012.jpg



View of the fence along the landside toe. Spring 2020.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	16.35	Rating **	A/W	Issue No.	9
LM End	16.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.407837°	39.411111°
				-122.008763°	-122.009238°
DWR ID	DWR_MA0001_01_s_2022_9				
Comment Code					
Inspector Comment					
2018 Site ID: SAC 164.3 R					
Status: Eroding					
2018 Field Notes: Minor new erosion throughout site.					
Site History: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2017 - New erosion along entire site.					

LM Start	16.35	Rating **	A/W	Issue No.	9 (cont)
LM End	16.58	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2023_MA0001_297_9_20230410_00006.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2023_MA0001_297_9_20230410_00007.jpg



USACE 2018 Erosion Photo #2

* 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 - Spring 2023

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/11/2023 04/11/2023	Makar Sokol

LM Start	16.37	Rating **	M	Issue No.	135
LM End	16.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.408073 °	39.408073 °
				-122.009058 °	-122.009058 °
DWR ID	DWR_MA0001_01_f _ 2016_135				
Comment Code					
MA : Material					
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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