

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

Sutter Maintenance Yard Maintenance Area 0005

	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 0005

Waterway			Bank	Unit Miles
Unit No. 01 Butte Creek			Left	15.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/26/2023 - 4/26/2023			
DWR Inspector	Makar Sokol			
Accompanied By	Shawn Freitag 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_MA0005_01_s_2013_11				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	12		
LM End		Issue Type +	Ma	Location *			
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				o		o
					o		o
DWR ID	DWR_MA0005_01_s_2013_12						
Comment Code							
ES : Emergency Supplies & Equipment							
Inspector Comment							
The LMA has adequate flood fight supplies and equipment.							

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_MA0005_01_s_2013_13				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA completed flood fight training.					

No Photos

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

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	2	
LM End	0.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.696620 °	39.696620 °	
				-121.774385 °	-121.774385 °	
DWR ID	1609					
Comment Code						
Inspector Comment						
DS_ID:1609 FS_ID:64542 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 03/03/2021 Crossing changed from No Action Needed to Non-Urgent. Missing cover on 48-inch riser on waterside slope. No permit found authorizing this crossing. Legacy irrigation pipe. (O.Yakimov - UCIP DWR)05/15/2017 Crossing appears to be in good condition. Pipe has been selected for to be internally cleanded and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/09/2016 Crossing appeaers to be in good condition. (A. Freitag - DWR Sutter Yard)08/05/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/20/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 8 feet below the crown. Slide gate in a 48-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwalls at the toe of each slope. [Additional Reference(s): DWR Levee Log, 1990 (HLM 0.07). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 5+92), listed as 36-inch pipe. FS Date: 3/3/2021 9:12:51 AM						

Photo 1 of 3 : UCIP_SP_2023_64542_96648.jpg



Top of Levee: View of crown at the crossing.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	2 (cont)	
LM End	0.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.696620°		39.696620°
				-121.774385°		-121.774385°
DWR ID	1609					

Photo 2 of 3 : UCIP_SP_2023_64542_96649.jpg



Land-Side: View landside from crown

LM Start	0.07	Rating **	M	Issue No.	2 (cont)
LM End	0.07	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_64542_96650.jpg



Water-Side: View of levee slope at the crossing. Slide gate in CMP riser

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.13	Rating **	M	Issue No.	3
LM End	0.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.696005°	39.696005°
				-121.775178°	-121.775178°
DWR ID	1610				

Comment Code

Inspector Comment

DS_ID:1610
FS_ID:64543
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Missing cover on 36-inch CMP riser on waterside slope. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years.
(O.Yakimov - DWR UCIP)
05/15/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/09/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/05/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/20/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 42-inch corrugated metal irrigation pipe through the levee, 8 feet below the crown. Slide gate in a 36-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwalls at the WS and the landside (LS) toes. Wooden weir slats within the LS toe headwall. [Additional Reference(s): DWR Levee Log, 1990 (HLM 0.14). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 2+68), listed as 42-inch pipe].
FS Date: 3/3/2021 9:41:53 AM

Photo 1 of 3 : UCIP_SP_2023_64543_96659.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.13	Rating **	M	Issue No.	3 (cont)
LM End	0.13	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.696005°	39.696005°	
			-121.775178°	-121.775178°	
DWR ID	1610				

Photo 2 of 3 : UCIP_SP_2023_64543_96656.jpg



Water-Side: View of slide gate in CMP riser

LM Start	0.13	Rating **	M	Issue No.	3 (cont)
LM End	0.13	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_64543_96657.jpg



Water-Side: Headwall and pipe end on waterside

LM Start	0.56	Rating **	M	Issue No.	903
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.690745°	39.690745°
				-121.777342°	-121.777342°
DWR ID	DWR_MA0005_01_s_2012_903				
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.57	Rating **	M	Issue No.	4	
LM End	0.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.690612°	39.690612°	
				-121.777235°	-121.777235°	
DWR ID	1611					
Comment Code						
Inspector Comment						
DS_ID:1611 FS_ID:64548 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Pipe has been CIPP lined. (O.Yakimov - DWR UCIP) 05/15/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/09/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/05/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/20/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls at the toe of the landside (LS) and the waterside (WS) slopes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 0.60).USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 205+60), listed as 24-inch pipe]. FS Date: 3/3/2021 10:15:11 AM						

Photo 1 of 3 : UCIP_SP_2023_64548_96679.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.57	Rating **	M	Issue No.	4 (cont)
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.690612°	39.690612°	
			-121.777235°	-121.777235°	
DWR ID	1611				

Photo 2 of 3 : UCIP_SP_2023_64548_96682.jpg



Land-Side: Pipe inlet and headwall at levee toe

LM Start	0.57	Rating **	M	Issue No.	4 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_64548_96683.jpg



Water-Side: Headwall and flap gate on levee slope

LM Start	0.58	Rating **	M	Issue No.	32
LM End	0.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.690496°	39.689137°
				-121.777109°	-121.776938°
DWR ID	DWR_MA0005_01_s_2014_32				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_32_20230417_00007.jpg



View of the trees along the landside toe blocking visibility. 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.68	Rating **	M	Issue No.	44
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.689135°	39.687968°
				-121.776929°	-121.777387°
DWR ID	DWR_MA0005_01_s_2016_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_44_20230417_00012.jpg



View of oleanders along the landside toe.

LM Start	0.79	Rating **	M	Issue No.	47
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.687676°	39.687193°
				-121.777419°	-121.777461°
DWR ID	DWR_MA0005_01_f_2019_47				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_47_20230417_00013.jpg



View of trees that require trimming along the landside slope. Fall 2019.

LM Start	0.90	Rating **	U	Issue No.	49
LM End	0.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.686087°	39.685418°
				-121.777555°	-121.777448°
DWR ID	DWR_MA0005_01_f_2016_49				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_49_20230417_00014.jpg



View of the wood plank fence 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		+ 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.98	Rating **	U	Issue No.	50
LM End	1.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.684843 °	39.684606 °
				-121.777132 °	-121.776975 °
DWR ID	DWR_MA0005_01_f _ 2016_50				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders are blocking visibility.					

Photo 1 of 1 : SP_2023_MA0005_196_50_20230417_00015.jpg



View of the landscaping along the landside toe. Spring 2021.

LM Start	1.02	Rating **	M	Issue No.	87
LM End	1.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.684334°	39.684334°
				-121.776814°	-121.776814°
DWR ID	DWR_MA0005_01_s_2022_87				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_87_20230417_00019.jpg



View of the stairway on the landside slope. Spring 2023.

LM Start	1.24	Rating **	U	Issue No.	42
LM End	1.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.681305°	39.680744°
				-121.776533°	-121.776582°
DWR ID	DWR_MA0005_01_s_2016_42				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_42_20230417_00011.jpg



View of the wood plank fence at the landside toe.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.30	Rating **	U	Issue No.	41
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.680452°	39.679551°
				-121.776667°	-121.776904°
DWR ID	DWR_MA0005_01_s_2016_41				
Comment Code					
FE : Fence					
Inspector Comment					
Wood plank fencing across multiple properties.					

Photo 1 of 1 : SP_2023_MA0005_196_41_20230417_00010.jpg



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

LM Start	1.53	Rating **	M	Issue No.	30
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.677130°	39.677130°
				-121.777583°	-121.777583°
DWR ID	DWR_MA0005_01_f_2014_30				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_30_20230417_00006.jpg



View of the sprinkler pipe and equipment along the landside toe. Spring 2020.

LM Start	1.66	Rating **	C	Issue No.	1
LM End	1.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.675528°	39.675528°
				-121.778642°	-121.778642°
DWR ID	DWR_MA0005_01_s_2012_1				
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		+ 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.71	Rating **	M	Issue No.	81
LM End	1.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.674961°	39.674961°
				-121.779216°	-121.779216°
DWR ID	DWR_MA0005_01_s_2020_81				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.83	Rating **	M	Issue No.	54
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673252°	39.673252°
				-121.779817°	-121.779817°
DWR ID	DWR_MA0005_01_f_2020_54				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.09	Rating **	M	Issue No.	10
LM End	2.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			39.670112°	39.670112°
				-121.782012°	-121.782012°
DWR ID	DWR_MA0005_01_s_2016_10				
Comment Code					
AG : Access Gates					
Inspector Comment					
No permit was found for the gate.					

Photo 1 of 1 : SP_2023_MA0005_196_10_20230417_00004.jpg



View of the unpermitted gate. 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	2.20	Rating **	M	Issue No.	48
LM End	2.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.668632°	39.668632°
				-121.782464°	-121.782464°
DWR ID	DWR_MA0005_01_f_2019_48				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.26	Rating **	M	Issue No.	61
LM End	2.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.667732°	39.667732°
				-121.782717°	-121.782717°
DWR ID	DWR_MA0005_01_f_2019_61				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

No Photos

LM Start	2.40	Rating **	M	Issue No.	84
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.665766°	39.665766°
				-121.783280°	-121.783280°
DWR ID	DWR_MA0005_01_s_2022_84				
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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	2.82	Rating **	C	Issue No.	85
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.660148°	39.660148°
				-121.785184°	-121.785184°
DWR ID	DWR_MA0005_01_f_2021_85				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.06	Rating **	C	Issue No.	37
LM End	3.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.656911°	39.656911°
				-121.787097°	-121.787097°
DWR ID	DWR_MA0005_01_f_2015_37				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.21	Rating **	C	Issue No.	38
LM End	3.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.654938°	39.654938°
				-121.787892°	-121.787892°
DWR ID	DWR_MA0005_01_f_2015_38				
Comment Code					
PR : Prunings					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	3.53	Rating **	M	Issue No.	36
LM End	15.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.650482°	39.515743°
				-121.788735°	-121.873064°
DWR ID	DWR_MA0005_01_s_2023_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.57	Rating **	M	Issue No.	39
LM End	15.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.649932°	39.515747°
				-121.788321°	-121.873060°
DWR ID	DWR_MA0005_01_s_2023_39				
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	7	
LM End	3.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.646217°	39.646217°	
				-121.785431°	-121.785431°	
DWR ID	1616					
Comment Code						
Inspector Comment						
DS_ID:1616 FS_ID:65178 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Excavation on landside near concrete distribution box has been backfilled. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 06/05/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) 05/15/2017 Crossing appears to be in good condition. LS inlet is located in the Distribution box on the LS toe. This is an overflow pipe used to regulate water levels in side the box. Pipe has been selected to be internally cleaned and inspected as part fo the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/09/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/05/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/20/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the WS toe. Inlet on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.95). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (381+36), listed as 24-inch pipe]. FS Date: 3/3/2021 3:22:22 PM						

Photo 1 of 3 : UCIP_SP_2023_65178_97384.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	7 (cont)	
LM End	3.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.646217°		39.646217°
				-121.785431°		-121.785431°
DWR ID	1616					

Photo 2 of 3 : UCIP_SP_2023_65178_97385.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.87	Rating **	M	Issue No.	7 (cont)
LM End	3.87	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65178_97386.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	8
LM End	3.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.646194°	39.646194°
				-121.785418°	-121.785418°
DWR ID	1617				

Comment Code

Inspector Comment

DS_ID:1617
FS_ID:65180
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/03/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 06/05/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)05/15/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/09/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/05/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/20/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation siphon pipe through the levee, 16.5 feet below the crown. Slide gate in corrugated metal riser on the waterside (WS) slope. Pipe appears to be currently used for irrigation purposes. Pipe penetrates both levees and goes under Butte Creek channel at angle. 4-foot by 8-foot concrete distribution box on the landside (LS), 40 feet from the LS toe. (Replacement a portion of existing 24-inch CMP pipe with class III 24-inch reinforced concrete pipe (RCP) under Butte Creek between levee toes with a cleanout installed in the center of Butte Creek authorized under Permit No. 4064, 1962 - Durham Mutual WaterCompany).
[Additional Reference(s): DWR Levee Log, (HLM 3.95). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (381+42), listed as 24-inch pipe. USACE As-Built Drawing No. 50-4-3367, upstream of Station 227+55, Sheets 2 and 7, April 1958, pipe varies in size: 24-inch pipe (right bank), 24-inch through Butte Creek, and 3-foot by 3-foot (36-inch by 36-inch) culvert (left bank)].
FS Date: 3/3/2021 3:29:52 PM

Photo 1 of 3 : UCIP_SP_2023_65180_97393.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	8 (cont)
LM End	3.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.646194°	39.646194°
				-121.785418°	-121.785418°
DWR ID	1617				

Photo 2 of 3 : UCIP_SP_2023_65180_97394.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.87	Rating **	M	Issue No.	8 (cont)
LM End	3.87	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65180_97390.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.13	Rating **	M	Issue No.	27
LM End	4.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.643100°	39.643100°
				-121.782827°	-121.782827°
DWR ID	DWR_MA0005_01_s_2017_27				
Comment Code					
EQ : Equipment					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	9
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.624559°	39.624559°
				-121.772141°	-121.772141°
DWR ID	1620				

Comment Code

Inspector Comment

DS_ID:1620
FS_ID:65267
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 03/02/2021 Record remains Non-Urgent. Missing CMP cover on waterside slope - possible fall hazard. No permit has been identified authorizing pipe. Slide gate in CMP riser closed, crossing doesn't look abandoned. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. (O.Yakimov - DWR UCIP)
05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will need to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (A. Freitag - DWR Sutter Yard)11/15/2016 Abandoned. Needs cover for the standpipe. (A. Freitag - DWR Sutter Yard)05/09/2016 Abandoned pipe. Needs a cover for the standpipe. (A. Freitag - DWR Sutter Yard)08/05/2015 Abandoned crossing. Covers need to be made for tops of standpipes to prevent falls. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned. (A. Freitag - DWR Sutter Yard)10/30/2012 Pipe 1/2 filled with soil at slide gate end. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 2: 36-inch drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 470+00), listed as 36-inch pipe]. USACE As-Built Drawing No. 50-04-3367, Sheet 8, STA 470+00, July 22 1957].
FS Date: 3/2/2021 8:23:38 AM

Photo 1 of 3 : UCIP_SP_2023_65267_97442.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	9 (cont)
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.624559°	39.624559°	
			-121.772141°	-121.772141°	
DWR ID	1620				

Photo 2 of 3 : UCIP_SP_2023_65267_97443.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.56	Rating **	M	Issue No.	9 (cont)
LM End	5.56	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65267_97445.jpg



Land-Side: Headwall and CMP pipe 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.56	Rating **	U	Issue No.	14
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.624559 °	39.624559 °	
			-121.772141 °	-121.772141 °	
DWR ID	1768				

Comment Code

Inspector Comment

DS_ID:1768
FS_ID:65271
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 2b, Levee Integrity
Crossing Status: Found
UCIP Comments: 03/02/2021 Record updated from Non-Urgent to Urgent. Sinkhole 4-feet in diameter and 2-feet deep located at waterside toe in pipe alignment. Missing CMP cover on waterside slope - possible fall hazard. No permit has been identified authorizing pipe. Slide gate in CMP riser closed, crossing doesn't look abandoned. (O.Yakimov - DWR UCIP)
05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will need to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (A. Freitag - DWR Sutter Yard)11/15/2016 Abandoned. Needs standpipe cover. (A. Freitag - DWR Sutter Yard)05/09/2016 Abandoned pipe. Needs a cover for standpipe. (A. Freitag - DWR Sutter Yard)08/05/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. (A. Freitag - DWR Sutter Yard)
12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned. (A. Freitag - DWR Sutter Yard)10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 470+00), listed as 36-inch pipe]. USACE As-Built Drawing No. 50-04-3367, Sheet 8, STA 470+00, July 22 1957].
FS Date: 3/2/2021 8:42:25 AM

Photo 1 of 3 : UCIP_SP_2023_65271_97449.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.56	Rating **	U	Issue No.	14 (cont)
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.624559°	39.624559°
				-121.772141°	-121.772141°
DWR ID	1768				

Photo 2 of 3 : UCIP_SP_2023_65271_97450.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.56	Rating **	U	Issue No.	14 (cont)
LM End	5.56	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65271_97453.jpg



Water-Side: View of levee slope and sinkhole in pipe alignment

LM Start	5.69	Rating **	M	Issue No.	55
LM End	6.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.622766°	39.615666°
				-121.773159°	-121.777353°
DWR ID	DWR_MA0005_01_s_2015_55				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_55_20230417_00016.jpg



View of the irrigation ditch along the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	15	
LM End	5.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.621955°	39.621955°	
				-121.773633°	-121.773633°	
DWR ID	1622					
Comment Code						
Inspector Comment						
DS_ID:1622 FS_ID:65315 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 03/02/2021 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. (O.Yakimov - DWR UCIP) 05/15/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/15/2016 Unable to locate. The concrete fill in the LS toe channel appears to just be erosion protection. (A. Freitag - DWR Sutter Yard) 08/05/2015 Unable to locate. (A. Freitag - DWR Sutter Yard) 12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown, indicator found. Concrete headwall and flap gate on the waterside (WS). Concrete fill in channel on the landside (LS) toe is a good indicator of the pipe location. [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.85). USACE As-Built Drawing No. 50-04-3367, Sheet 8, just upstream of Station 480+50, July 22, 1957, listed as 18-inch pipe]. FS Date: 3/2/2021 9:39:12 AM						

Photo 1 of 3 : UCIP_SP_2023_65315_97469.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	15 (cont)
LM End	5.75	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.621955°	39.621955°	
			-121.773633°	-121.773633°	
DWR ID	1622				

Photo 2 of 3 : UCIP_SP_2023_65315_97467.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.75	Rating **	M	Issue No.	15 (cont)
LM End	5.75	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65315_97468.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.81	Rating **	U	Issue No.	56
LM End	5.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.621261°	39.621261°
				-121.773973°	-121.773973°
DWR ID	DWR_MA0005_01_f_2016_56				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_56_20230417_00017.jpg



View of the erosion at the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	7.58	Rating **	M	Issue No.	16
LM End	7.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.597725°	39.597725°
				-121.787257°	-121.787257°
DWR ID	1628				

Comment Code

Inspector Comment

DS_ID:1628
FS_ID:65433
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/02/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing appears abandoned. Headwall on landside and pipe inlet have been cleared from dirt. Pipe end is still burried in soil on waterside and not found. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years.
(O.Yakimov - DWR UCIP)
05/16/2017 LS inlet is almost completely buried. Nothing visible on the WS. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Appears abandoned and should be done so properly. (A. Freitag - DWR Sutter Yard)05/11/2016 Possibly an abandoned crossing. LS inlet was over 50% buried and nothing was found on the WS. (A. Freitag - DWR Sutter Yard)08/04/2015 LS pipe end filled about 50% with soil and WS pipe end is buried. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Pipe filled with soil and outlet/appurtances are burried. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwall on the landside (LS) toe.
[Additional Reference(s): DWR Levee Log, 1990 (HLM 7.70).USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 576+72), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 2, Station 576+72.4, 7 January 1953].
FS Date: 3/2/2021 1:19:57 PM

Photo 1 of 3 : UCIP_SP_2023_65433_97531.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	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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	7.58	Rating **	M	Issue No.	16 (cont)
LM End	7.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.597725°	39.597725°	
			-121.787257°	-121.787257°	
DWR ID	1628				

Photo 2 of 3 : UCIP_SP_2023_65433_97533.jpg



Water-Side: View of levee slope looking from crown

LM Start	7.58	Rating **	M	Issue No.	16 (cont)
LM End	7.58	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65433_97534.jpg



Land-Side: Exposed headwall and pipe inlet at landside toe

LM Start	7.70	Rating **	A/W	Issue No.	72
LM End	7.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.596076°	39.596076°
				-121.788123°	-121.788123°
DWR ID	MA5-02				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion at the waterside bank.					
Site ID No:225					
Site Designation:MA5-02					

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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.21	Rating **	M	Issue No.	17
LM End	8.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID	1629				
Comment Code					
Inspector Comment					
DS_ID:1629 FS_ID:65470 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP-lined, new flap gate installed on waterside. (O.Yakimov - DWR UCIP) 05/16/2017 LS inlet is half blocked off by flash boards and sediment. WS flap gate is blocked closed by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (A. Freitag - DWR Sutter Yard)05/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard)08/04/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Pipe filled with soil. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.35). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 609+79), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 609+78.5, 7 January 1953]. FS Date: 3/2/2021 3:05:29 PM					

Photo 1 of 3 : UCIP_SP_2023_65470_97555.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.21	Rating **	M	Issue No.	17 (cont)
LM End	8.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589751°	39.589751°
				-121.792818°	-121.792818°
DWR ID	1629				

Photo 2 of 3 : UCIP_SP_2023_65470_97557.jpg



Water-Side: View of levee slope looking from crown

LM Start	8.21	Rating **	M	Issue No.	17 (cont)
LM End	8.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65470_97556.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.87	Rating **	M	Issue No.	18	
LM End	8.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.582548°	39.582548°	
				-121.800917°	-121.800917°	
DWR ID	1630					
Comment Code						
Inspector Comment						
DS_ID:1630 FS_ID:65495 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Geophysical study indicates possible presence of pipe through levee. Coordinates of crossing have been updated to match geophysical report. Location of this crossing also confirmed by calculating Station Number relatively to upstream and downstream crossings. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 06/13/2019 DSID 1744 is duplicate of DSID 1630. This record should not be used for 24-inch pipe updates -- refer to DSID 1744 for updates. (O. Magana - DWR UCIP) 05/16/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/15/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 05/11/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 08/04/2015 Unable to locate. (A. Freitag - DWR Sutter Yard) 12/08/2014 Unable to locate. (A. Freitag - DWR Sutter Yard) 06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 11/19/2013 Unable to locate. (A. Freitag - DWR Sutter Yard) 05/29/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 9.8 feet below the crown, not found. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.99). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 644+27), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 644+27, 7 January 1953]. FS Date: 3/2/2021 3:36:08 PM						

Photo 1 of 3 : UCIP_SP_2023_65495_97570.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.87	Rating **	M	Issue No.	18 (cont)
LM End	8.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.582548°	39.582548°
				-121.800917°	-121.800917°
DWR ID	1630				

Photo 2 of 3 : UCIP_SP_2023_65495_97571.jpg



Land-Side: View of levee slope looking from crown

LM Start	8.87	Rating **	M	Issue No.	18 (cont)
LM End	8.87	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65495_97572.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.08	Rating **	U	Issue No.	19
LM End	9.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.579908°	39.579908°
				-121.802790°	-121.802790°
DWR ID	1631				
Comment Code					
Inspector Comment					
DS_ID:1631 FS_ID:65744 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from Non-Urgent to Urgent. Crossing appears abandoned. 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. Pipe and pipe appurtenances are not found on waterside. Missing slide gate in concrete distribution box at landside toe. The box is open at ground level, recommend installing a cover for trip and fall protection. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/16/2017 Abandoned and needs to be done so properly. (A. Freitag - DWR Sutter Yard)11/15/2016 Abandoned. (A. Freitag - DWR Sutter Yard)05/11/2016 Abandoned pipe. (A. Freitag - DWR Sutter Yard) 08/04/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Need to confirm proper abandonment of pipe. Pipe should be plugged on LS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 11.5 feet below the crown. Pump located on the waterside (WS). Distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.21). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 655+68), listed as 16-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 655+68.2, 7 January 1953]. FS Date: 3/2/2021 6:58:11 AM					

Photo 1 of 3 : UCIP_SP_2023_65744_98029.jpg



Land-Side: View of levee slope looking from crown. Distribution box at levee toe needs a cover

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

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.08	Rating **	U	Issue No.	19 (cont)
LM End	9.08	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.579908 °	39.579908 °	
			-121.802790 °	-121.802790 °	
DWR ID	1631				

Photo 2 of 3 : UCIP_SP_2023_65744_98030.jpg



Water-Side: View of levee slope looking from crown. Pipe not found

LM Start	9.08	Rating **	U	Issue No.	19 (cont)
LM End	9.08	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_65744_98032.jpg



Land-Side: Overview of concrete distribution box. Missing slide gate from levee side

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	20	
LM End	9.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.575072°	39.575072°	
				-121.807805°	-121.807805°	
DWR ID	1775					
Comment Code						
Inspector Comment						
DS_ID:1775 FS_ID:65745 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. This pipe penetrates channel crossing constructed at elevation lower than levee. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/04/2015 Crossing is in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)12/08/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch. (A. Freitag - DWR Sutter Yard)10/30/2012 Seems there should be flap gates on this structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 1 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 678+00), listed as 66-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 678+00, 7 January 1953]. FS Date: 3/2/2021 8:28:51 AM						

Photo 1 of 3 : UCIP_SP_2023_65745_98033.jpg



View of channel crossing looking perpendicular to Butte Creek

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	20 (cont)
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.575072 °	39.575072 °	
			-121.807805 °	-121.807805 °	
DWR ID	1775				

Photo 2 of 3 : UCIP_SP_2023_65745_98034.jpg



View of Butte Creek looking downstream

LM Start	9.52	Rating **	M	Issue No.	20 (cont)
LM End	9.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65745_98035.jpg



View of Butte Creek 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	21	
LM End	9.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.575036°	39.575036°	
				-121.807807°	-121.807807°	
DWR ID	1774					
Comment Code						
Inspector Comment						
DS_ID:1774 FS_ID:65746 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. This pipe penetrates channel crossing constructed at elevation lower than levee. (O.Yakimov - DWR UCIP) 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing is in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure. FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 2 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 678+00), listed as 66-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 678+00, 7 January 1953]. FS Date: 3/2/2021 8:49:57 AM						

Photo 1 of 3 : UCIP_SP_2023_65746_98039.jpg



View of channel crossing looking perpendicular to Butte Creek

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	21 (cont)
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.575036°	39.575036°
				-121.807807°	-121.807807°
DWR ID	1774				

Photo 2 of 3 : UCIP_SP_2023_65746_98040.jpg



View of Butte Creek looking downstream

LM Start	9.52	Rating **	M	Issue No.	21 (cont)
LM End	9.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65746_98041.jpg



View of Butte Creek 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	22
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.575000°	39.575000°
				-121.807808°	-121.807808°
DWR ID	1632				
Comment Code					
Inspector Comment					
DS_ID:1632 FS_ID:65747 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. This pipe penetrates channel crossing constructed at elevation lower than levee. (O.Yakimov - DWR UCIP) 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure. FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 3 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 678+00), listed as 66-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 678+00, 7 January 1953]. FS Date: 3/2/2021 8:51:11 AM					

Photo 1 of 3 : UCIP_SP_2023_65747_98045.jpg



View of channel crossing looking perpendicular to Butte Creek

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	22 (cont)
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.575000°	39.575000°
				-121.807808°	-121.807808°
DWR ID	1632				

Photo 2 of 3 : UCIP_SP_2023_65747_98046.jpg



View of Butte Creek looking downstream

LM Start	9.52	Rating **	M	Issue No.	22 (cont)
LM End	9.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65747_98047.jpg



View of Butte Creek 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	23	
LM End	9.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.574964°	39.574964°	
				-121.807810°	-121.807810°	
DWR ID	1773					
Comment Code						
Inspector Comment						
DS_ID:1773 FS_ID:65748 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. This pipe penetrates channel crossing constructed at elevation lower than levee. (O.Yakimov - DWR UCIP) 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure. FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 4 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 678+00), listed as 66-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 678+00, 7 January 1953]. FS Date: 3/2/2021 8:52:18 AM						

Photo 1 of 3 : UCIP_SP_2023_65748_98051.jpg



View of channel crossing looking perpendicular to Butte Creek

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	23 (cont)
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.574964°	39.574964°	
			-121.807810°	-121.807810°	
DWR ID	1773				

Photo 2 of 3 : UCIP_SP_2023_65748_98052.jpg



View of Butte Creek looking downstream

LM Start	9.52	Rating **	M	Issue No.	23 (cont)
LM End	9.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65748_98053.jpg



View of Butte Creek looking upstream

LM Start	9.54	Rating **	M	Issue No.	5
LM End	10.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.574837°	39.567892°
				-121.807913°	-121.819283°
DWR ID	DWR_MA0005_01_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_5_20230417_00002.jpg



View of the agricultural ditch along the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.26	Rating **	M	Issue No.	24
LM End	10.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.568523°	39.568523°
				-121.818232°	-121.818232°
DWR ID	1634				
Comment Code					
Inspector Comment					
DS_ID:1634 FS_ID:65750 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 03/02/2021 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Crossing appears abandoned. Headwall and slide gate on waterside buried in soil. Vegetation and debris clearing needed at landside pipe end. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 5/16/2017 Abandoned- needs to be done so properly. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. (DWR Sutter Yard- AFreitag)5/11/2016 Abandoned crossing.8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 14.5 feet below the crown. Slide gate on the waterside (WS) on concrete headwall. Flap gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 10.41). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 717+50), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 717+50, 7 January 1953]. FS Date: 3/2/2021 9:47:39 AM					

Photo 1 of 3 : UCIP_SP_2023_65750_98061.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.26	Rating **	M	Issue No.	24 (cont)
LM End	10.26	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.568523 °	39.568523 °	
			-121.818232 °	-121.818232 °	
DWR ID	1634				

Photo 2 of 3 : UCIP_SP_2023_65750_98062.jpg



Land-Side: View of levee slope looking from crown

LM Start	10.26	Rating **	M	Issue No.	24 (cont)
LM End	10.26	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_65750_98063.jpg



Water-Side: View of levee slope looking from crown

LM Start	10.37	Rating **	M	Issue No.	26
LM End	10.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.567541 °	39.567541 °
				-121.819786 °	-121.819786 °
DWR ID	DWR_MA0005_01_s_2016_26				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farm equipment should be removed from the landside toe.					

Photo 1 of 1 : SP_2023_MA0005_196_26_20230417_00005.jpg



View of the farm equipment at the landside toe. Fall 2021.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.84	Rating **	M	Issue No.	25	
LM End	10.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.562559°	39.562559°	
				-121.825808°	-121.825808°	
DWR ID	1635					
Comment Code						
Inspector Comment						
DS_ID:1635 FS_ID:65751 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record remains Non-Urgent. Crossing appears abandoned. Pipe not found on waterside. Concrete headwall and pipe inlet are buried in soil at landside levee toe. 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. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 5/16/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- A Freitag)11/15/2016 Abandoned. (DWR Sutter Yard- A Freitag)5/11/2016 Abandoned crossing.8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe buried on both sides of levee. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1990 (HLM 10.99). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 748+53), listed as 30-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, 748+53, 7 January 1953]. FS Date: 3/2/2021 9:59:40 AM						

Photo 1 of 3 : UCIP_SP_2023_65751_98068.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.84	Rating **	M	Issue No.	25 (cont)
LM End	10.84	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.562559°	39.562559°	
			-121.825808°	-121.825808°	
DWR ID	1635				

Photo 2 of 3 : UCIP_SP_2023_65751_98070.jpg



Land-Side: Headwall and pipe inlet at levee toe buried in soil

LM Start	10.84	Rating **	M	Issue No.	25 (cont)
LM End	10.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65751_98069.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	28	
LM End	11.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.556741 °	39.556741 °	
				-121.832071 °	-121.832071 °	
DWR ID	1636					
Comment Code						
Inspector Comment						
DS_ID:1636 FS_ID:65802 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP-lined, new flap gate installed. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/04/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 1 of 4: 54-inch CIPP-lined corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 25+18 'A'), listed as 54-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 25+18 'A', 7 January 1953]. FS Date: 3/2/2021 11:42:48 AM						

Photo 1 of 3 : UCIP_SP_2023_65802_98101.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	28 (cont)	
LM End	11.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.556741 °	39.556741 °	
				-121.832071 °	-121.832071 °	
DWR ID	1636					

Photo 2 of 3 : UCIP_SP_2023_65802_98105.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

LM Start	11.36	Rating **	M	Issue No.	28 (cont)
LM End	11.36	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65802_98104.jpg



Water-Side: Concrete headwall and flap gate on pipe end

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	29	
LM End	11.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.556716°	39.556716°	
				-121.832097°	-121.832097°	
DWR ID	1782					
Comment Code						
Inspector Comment						
DS_ID:1782 FS_ID:65803 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP-lined, new flap gate installed. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/04/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 2 of 4: 54-inch CIPP-lined corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 25+18 'A'), listed as 54-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 25+18 'A', 7 January 1953]. FS Date: 3/2/2021 12:00:11 PM						

Photo 1 of 3 : UCIP_SP_2023_65803_98106.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	29 (cont)
LM End	11.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556716°	39.556716°
				-121.832097°	-121.832097°
DWR ID	1782				

Photo 2 of 3 : UCIP_SP_2023_65803_98110.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

LM Start	11.36	Rating **	M	Issue No.	29 (cont)
LM End	11.36	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65803_98109.jpg



Water-Side: Concrete headwall and flap gate on pipe end

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	31
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556693°	39.556693°
				-121.832119°	-121.832119°
DWR ID	1783				
Comment Code					
Inspector Comment					
DS_ID:1783 FS_ID:65804 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP-lined, new flap gate installed. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/04/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 3 of 4: 54-inch CIPP-lined corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 25+18 'A'), listed as 54-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 25+18 'A', 7 January 1953]. FS Date: 3/2/2021 12:01:23 PM					

Photo 1 of 3 : UCIP_SP_2023_65804_98111.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	31 (cont)
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556693 °	39.556693 °
				-121.832119 °	-121.832119 °
DWR ID	1783				

Photo 2 of 3 : UCIP_SP_2023_65804_98115.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

LM Start	11.37	Rating **	M	Issue No.	31 (cont)
LM End	11.37	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65804_98114.jpg



Water-Side: Concrete headwall and flap gate on pipe end

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	33	
LM End	11.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.556681 °	39.556681 °	
				-121.832130 °	-121.832130 °	
DWR ID	1784					
Comment Code						
Inspector Comment						
DS_ID:1784 FS_ID:65805 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP-lined, new flap gate installed. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/04/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4 of 4: 54-inch CIPP-lined corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 25+18 'A'), listed as 54-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 25+18 'A', 7 January 1953]. FS Date: 3/2/2021 12:02:36 PM						

Photo 1 of 3 : UCIP_SP_2023_65805_98116.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	33 (cont)	
LM End	11.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.556681°		39.556681°
				-121.832130°		-121.832130°
DWR ID	1784					

Photo 2 of 3 : UCIP_SP_2023_65805_98120.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

LM Start	11.37	Rating **	M	Issue No.	33 (cont)
LM End	11.37	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65805_98119.jpg



Water-Side: Concrete headwall and flap gate on pipe end

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.81	Rating **	A/W	Issue No.	34	
LM End	11.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.551722°	39.551722°	
				-121.837239°	-121.837239°	
DWR ID	25461					
Comment Code						
Inspector Comment						
DS_ID:25461 FS_ID:65838 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 03/02/2021 Record remains No Action Needed. No issues observed during inspection. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/22/2016 Inspector's notes and photos related to new pipe from DS_ID 1637 have been transferred. Pipe record, DS_ID 1637, has been retired since pipe was removed from the levee and a new pipe was installed. Need Permit No. to update UCIP records. (O. Magana - DWR UCIP)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/04/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/30/2013 Pipe installed. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch double walled high-density polyethylene (HDPE) drainage pipe through the levee, 15 feet below the crown. Pipe encased in controlled low-strength material (CLSM) through the levee. 60-inch corrugated metal pipe (CMP) riser with positive shutoff device inside is located on the landside (LS). Concrete headwall and flap gate located on the waterside (WS) end. Pipe installed in 2013 by DWR Sutter Yard. This crossing replaces 30-inch pipe (see DSID 1637). (30-inch HDPE pipe authorized under Work Authorization No. A2013038, 2013 - Department of Water Resources). FS Date: 3/2/2021 2:30:57 PM						

Photo 1 of 3 : UCIP_SP_2023_65838_98164.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.81	Rating **	A/W	Issue No.	34 (cont)
LM End	11.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.551722°	39.551722°	
			-121.837239°	-121.837239°	
DWR ID	25461				

Photo 2 of 3 : UCIP_SP_2023_65838_98165.jpg



Land-Side: View of levee slope looking from crown

LM Start	11.81	Rating **	A/W	Issue No.	34 (cont)
LM End	11.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65838_98166.jpg



Water-Side: View of levee slope looking from crown

LM Start	11.85	Rating **	M	Issue No.	6
LM End	13.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551235°	39.531462°
				-121.837697°	-121.856165°
DWR ID	DWR_MA0005_01_s_2012_6				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_196_6_20230417_00003.jpg



View of the agricultural ditch along the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	12.18	Rating **	M	Issue No.	80
LM End	12.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.547236°	39.547236°
				-121.841125°	-121.841125°
DWR ID	DWR_MA0005_01_s_2022_80				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

No Photos

LM Start	12.36	Rating **	M	Issue No.	79
LM End	12.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.544787°	39.544787°
				-121.842485°	-121.842485°
DWR ID	DWR_MA0005_01_s_2022_79				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

No Photos

LM Start	13.69	Rating **	C	Issue No.	69
LM End	13.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.531032°	39.531032°
				-121.856977°	-121.856977°
DWR ID	DWR_MA0005_01_s_2017_69				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.46	Rating **	M	Issue No.	35
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.522200°	39.522200°
				-121.865592°	-121.865592°
DWR ID	1639				

Comment Code

Inspector Comment

DS_ID:1639
FS_ID:65842
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/02/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Pipe has been CIPP-lined, new flap gate installed on waterside pipe end. (O.Yakimov - DWR UCIP) 05/16/2017 Soil still eroded away from the WS wing walls. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/15/2016 No soil supporting the WS wing walls. (A. Freitag - DWR Sutter Yard)05/11/2016 Still no soil supporting the WS wing walls and apron. WS vegetation was thinner and not a problem this time. (A. Freitag - DWR Sutter Yard)08/04/2015 No soil supporting the WS wing walls at the WS pipe end. WS pipe end is also being overgrown with vegetation and should be cleared back. (A. Freitag - DWR Sutter Yard)06/11/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/31/2012 Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch CIPP-lined corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS ends. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.66). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 978+25), listed as 36-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 5, Station 978+24.95, 7 January 1953].
FS Date: 3/2/2021 3:15:18 PM

Photo 1 of 3 : UCIP_SP_2023_65842_98184.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.46	Rating **	M	Issue No.	35 (cont)
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.522200°	39.522200°	
			-121.865592°	-121.865592°	
DWR ID	1639				

Photo 2 of 3 : UCIP_SP_2023_65842_98185.jpg



Water-Side: View of levee slope looking from crown

LM Start	14.46	Rating **	M	Issue No.	35 (cont)
LM End	14.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65842_98186.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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 02 Butte Creek			Right	16.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/26/2023 - 4/26/2023			
DWR Inspector	Makar Sokol			
Accompanied By	Shawn Freitag 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.53	Rating **	M	Issue No.	53
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.522358°	39.582809°
				-121.869402°	-121.807625°
DWR ID	DWR_MA0005_02_s_2023_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	M	Issue No.	46
LM End	12.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.522403 °	39.671409 °
				-121.869334 °	-121.782220 °
DWR ID	DWR_MA0005_02_s_2023_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.21	Rating **	M	Issue No.	1
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.529933 °	39.534102 °
				-121.861563 °	-121.856947 °
DWR ID	DWR_MA0005_02_s_2012_1				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_1_20230417_00001.jpg



View of the agricultural ditch along the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.66	Rating **	A/W	Issue No.	2
LM End	1.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.534700°	39.534700°
				-121.856141°	-121.856141°
DWR ID	1788				

Comment Code

Inspector Comment

DS_ID:1788
 FS_ID:65899
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Not Found
 UCIP Comments: 03/04/2021 Record remains No Action Needed. Pipe was abandoned under Permit No. 17212. (O.Yakimov - DWR UCIP)
 05/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)
 11/14/2016 Abandoned. (A. Freitag - DWR Sutter Yard)
 05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)
 07/28/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)
 11/25/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)
 06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)
 11/12/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)
 06/06/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
 FIELD_STRUCT_DESC: 1 of 3: 24-inch corrugated metal drainage pipe through the levee, 16.6 feet below the crown. Slide gate on the waterside (WS) toe with an access platform and a walkway over the gates. Concrete headwall and trash rack on the landside (LS) toe. (24-inch pipe abandoned under Permit No. 17212, 17212-Rev, 2005 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.67). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 927+50), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 5, Station 927+50, 7 January 1953].
 FS Date: 3/4/2021 11:52:54 AM

Photo 1 of 3 : UCIP_SP_2023_65899_98212.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.66	Rating **	A/W	Issue No.	2 (cont)	
LM End	1.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.534700°		39.534700°
				-121.856141°		-121.856141°
DWR ID	1788					

Photo 2 of 3 : UCIP_SP_2023_65899_98213.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.66	Rating **	A/W	Issue No.	2 (cont)
LM End	1.66	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65899_98214.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.66	Rating **	A/W	Issue No.	3
LM End	1.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.534712°	39.534712°
				-121.856125°	-121.856125°
DWR ID	1787				
Comment Code					
Inspector Comment					
DS_ID:1787					
FS_ID:65900					
EP_NO: N/A					
Repair Type: No Action Needed					
EVAL Issue:					
Crossing Status: Not Found					
UCIP Comments: 03/04/2021 Record remains No Action Needed. Pipe was abandoned under Permit No. 17212. (O.Yakimov - DWR UCIP)					
05/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)					
11/14/2016 Abandoned. (A. Freitag - DWR Sutter Yard)					
05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)					
07/28/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)					
11/25/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)					
06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)					
11/20/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)					
06/06/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)					
FIELD_STRUCT_DESC: 2 of 3: 24-inch corrugated metal drainage pipe through the levee, 16.6 feet below the crown. Slide gate on the waterside (WS) toe with an access platform and a walkway over the gates. Concrete headwall and trash rack on the landside (LS) toe. (24-inch pipe abandoned under Permit No. 17212, 17212-Rev, 2005 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.67). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 927+50), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 5, Station 927+50, 7 January 1953].					
FS Date: 3/4/2021 11:59:50 AM					

Photo 1 of 3 : UCIP_SP_2023_65900_98215.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.66	Rating **	A/W	Issue No.	3 (cont)
LM End	1.66	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.534712°	39.534712°	
			-121.856125°	-121.856125°	
DWR ID	1787				

Photo 2 of 3 : UCIP_SP_2023_65900_98216.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.66	Rating **	A/W	Issue No.	3 (cont)
LM End	1.66	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65900_98217.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.66	Rating **	A/W	Issue No.	4
LM End	1.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.534715°	39.534715°
				-121.856122°	-121.856122°
DWR ID	1644				
Comment Code					
Inspector Comment					
DS_ID:1644 FS_ID:65901 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Not Found UCIP Comments: 03/04/2021 Record remains No Action Needed. Pipe was abandoned under Permit No. 17212. (O.Yakimov - DWR UCIP) 05/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)11/14/2016 Abandoned. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)11/25/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 3 of 3: 24-inch corrugated metal drainage pipe through the levee, 16.6 feet below the crown, not found. Slide gate on the waterside (WS) toe with access platform and walkway over gates, not found. Concrete headwall and trash rack on the landside (LS) toe, not found. (24-inch pipe abandoned under Permit No. 17212, 17212-Rev, 2005 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.67). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 927+50), listed as 24-inch pipe.USACE As-Built Drawing No. 50-04-2637, Sheet 5, Station 927+50, 7 January 1953]. FS Date: 3/4/2021 12:01:52 PM					

Photo 1 of 3 : UCIP_SP_2023_65901_98218.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.66	Rating **	A/W	Issue No.	4 (cont)	
LM End	1.66	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.534715°		39.534715°
				-121.856122°		-121.856122°
DWR ID	1644					

Photo 2 of 3 : UCIP_SP_2023_65901_98219.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.66	Rating **	A/W	Issue No.	4 (cont)
LM End	1.66	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65901_98220.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.86	Rating **	C	Issue No.	48
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.536915°	39.536915°
				-121.853669°	-121.853669°
DWR ID	DWR_MA0005_02_f_2016_48				
Comment Code					
EQ : Equipment					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.86	Rating **	M	Issue No.	54
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.536927°	39.536927°
				-121.853651°	-121.853651°
DWR ID	DWR_MA0005_02_s_2023_54				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.90	Rating **	M	Issue No.	49
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.537445°	39.537445°
				-121.853112°	-121.853112°
DWR ID	DWR_MA0005_02_f_2016_49				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_49_20230417_00009.jpg



View of the erosion 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.91	Rating **	U	Issue No.	8
LM End	1.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.537455°	39.537455°
				-121.853061°	-121.853061°
DWR ID	1645				

Comment Code

Inspector Comment

DS_ID:1645
FS_ID:65959
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 2b, Levee Integrity
Crossing Status: Found
UCIP Comments: 03/04/2021 Record remains Urgent. Erosion around headwall on landside is present. Debris at the bottom of flap gate on waterside prevents flap gate from closing. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
10/05/2018 Unable to see pipe on waterside due to high water level in the creek. Erosion is present around headwall on LS. Screw gate on LS blocked with silt approximately halfway in height. (O. Yakimov - DWR UCIP) 05/18/2017 LS erosion still present. WS flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (A. Freitag - DWR Sutter Yard)05/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (A. Freitag - DWR Sutter Yard)07/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (A. Freitag - DWR Sutter Yard)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/31/2012 Vegetation needs to be cleared from outlet. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch CIPP-lined corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.92). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 902+50), listed as 36-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 5, 902+50, 7 January 1953].
FS Date: 3/4/2021 2:44:17 PM

Photo 1 of 3 : UCIP_SP_2023_65959_98237.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	1.91	Rating **	U	Issue No.	8 (cont)
LM End	1.91	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.537455°	39.537455°	
			-121.853061°	-121.853061°	
DWR ID	1645				

Photo 2 of 3 : UCIP_SP_2023_65959_98240.jpg



Top of Levee: View of levee crown looking downstream

LM Start	1.91	Rating **	U	Issue No.	8 (cont)
LM End	1.91	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_65959_98239.jpg



Water-Side: Closeup view of flap gate open due to sediment and debris buildup at the bottom

LM Start	3.10	Rating **	M	Issue No.	7
LM End	4.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551780°	39.562341°
				-121.840507°	-121.829507°
DWR ID	DWR_MA0005_02_s_2012_7				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_7_20230417_00003.jpg



View of the agricultural ditch along the landside toe. Fall 2021.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	3.38	Rating **	U	Issue No.	55
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.555027°	39.555027°
				-121.837555°	-121.837555°
DWR ID	DWR_MA0005_02_f _ 2019_55				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_55_20230417_00011.jpg



View of sloughing on the landside slope. 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	4.03	Rating **	M	Issue No.	10
LM End	4.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.562271°	39.562271°
				-121.829610°	-121.829610°
DWR ID	1647				

Comment Code

Inspector Comment

DS_ID:1647
FS_ID:66057
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/04/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Pipe has been CIPP lined, new flap gate on waterside pipe end installed, slide gate at landside levee toe was replaced with a new one. (O.Yakimov - DWR UCIP)
05/18/2017 Crossing appears to be in good condition. Tree near the LS screw gate could use some trimming. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/23/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/28/2015 Pipe appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 30-inch CIPP-lined corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Slide gate on the landside (LS). Flap gate on the waterside (WS). Concrete headwall at the LS toe. Concrete splash apron on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.08). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 5+20 "A"), listed as 30-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 5+20 "A", 7 January 1953].
FS Date: 3/4/2021 11:30:54 AM

Photo 1 of 3 : UCIP_SP_2023_66057_98336.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	4.03	Rating **	M	Issue No.	10 (cont)
LM End	4.03	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.562271 °	39.562271 °	
			-121.829610 °	-121.829610 °	
DWR ID	1647				

Photo 2 of 3 : UCIP_SP_2023_66057_98337.jpg



Land-Side: Headwall and new slide gate installed at levee toe

LM Start	4.03	Rating **	M	Issue No.	10 (cont)
LM End	4.03	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66057_98334.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	+ 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	4.09	Rating **	U	Issue No.	11
LM End	4.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562875°	39.562875°
				-121.828782°	-121.828782°
DWR ID	16300				

Comment Code

Inspector Comment

DS_ID:16300
FS_ID:66081
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 03/04/2021 Record updated from No Action Needed to Urgent. Missing flap gate on pipe end at headwall on waterside. One of the attached photos shows flap gate installed inside the pipe approximately at landside toe. Unable to confirm flap gate integrity. Portion of pipe under levee remains open to flood water that increases risk of levee failure. No permit has been identified authorizing pipe onstallation. 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. (O.Yakimov - DWR UCIP)
05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)05/23/2016 Crossing is not abandoned. Water was flowing through from the LS to WS. LS pipe inlet is about 100 yds from LS levee toe across the LS canal. (A. Freitag - DWR Sutter Yard)07/28/2015 Crossing is listed as abandoned but it is not filled with concrete like crossings 1-4 here. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Sutter Maintenance Yard supervisor Jason Cooper said there is a flap gate on the LS end of the pipe in the western most ditch to prevent high water flooding. Not sure if this is adequate, will talk to levee inspector to find out. (A. Freitag - DWR Sutter Yard)11/01/2012 Pipe open on WS and is not filled with concrete. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: [Western Canal Structure] 5 of 5: 60-inch corrugated metal drainage (originally irrigation) pipe through the levee, 16.6 feet below the crown. U-shaped concrete headwall with screw gate installed in drainage ditch approximately 150 feet NW from levee. Concrete headwall at waterside toe. Flap gate installed to allow floodwater from the LS to flow to the WS. (Removal of two existing Western Canal Water District dams authorized under Permit No. 16667, 1997 - Western Canal Water District - CH2M Hill). [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.14). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 2+00 "A"), listed as 60-inch pipe]. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 2+00 "A", 7 January 1953].
FS Date: 3/4/2021

Photo 1 of 3 : UCIP_SP_2023_66081_98389.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	4.09	Rating **	U	Issue No.	11 (cont)	
LM End	4.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.562875°	39.562875°	
				-121.828782°	-121.828782°	
DWR ID	16300					

Photo 2 of 3 : UCIP_SP_2023_66081_98386.jpg



Water-Side: Pipe missing flap gate at headwall

LM Start	4.09	Rating **	U	Issue No.	11 (cont)
LM End	4.09	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_66081_98388.jpg

Land-Side: Closeup view of slide gate, and pipe end in drainage ditch
150 feet from 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.35	Rating **	M	Issue No.	12
LM End	5.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.576008°	39.576008°
				-121.812599°	-121.812599°
DWR ID	1650				
Comment Code					
Inspector Comment					
DS_ID:1650 FS_ID:66386 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. Crossing appears abandoned. Pipe inlet not found on landside. Slide gate inside of CMP riser on waterside berm is in closed position. 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. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Abandoned- only WS riser found. (A. Freitag - DWR Sutter Yard)11/14/2016 Abandoned. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- still cannot locate a LS ans WS pipe end. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inpection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/31/2012 Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in a 56-inch corrugated metal riser on the waterside (WS) berm. Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.41). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 688+40), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 688+40, 7 January 1953]. FS Date: 3/4/2021 3:55:12 PM					

Photo 1 of 3 : UCIP_SP_2023_66386_98830.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.35	Rating **	M	Issue No.	12 (cont)
LM End	5.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.576008 °	39.576008 °
				-121.812599 °	-121.812599 °
DWR ID	1650				

Photo 2 of 3 : UCIP_SP_2023_66386_98831.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee berm

LM Start	5.35	Rating **	M	Issue No.	12 (cont)
LM End	5.35	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66386_98833.jpg



Land-Side: Overview of levee slope. Pipe not found on landside

LM Start	5.91	Rating **	M	Issue No.	34
LM End	5.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.583052°	39.583052°
				-121.807423°	-121.807423°
DWR ID	DWR_MA0005_02_f_2019_34				
Comment Code					
MA : Material					
Inspector Comment					
Remove broken metal and concrete pipes 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	5.99	Rating **	M	Issue No.	100
LM End	5.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.583988°	39.583988°
				-121.806270°	-121.806270°
DWR ID	DWR_MA0005_02_s_2022_100				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Steep cut is present at the landside toe.					

No Photos

LM Start	6.44	Rating **	M	Issue No.	52
LM End	7.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.588802°	39.603335°
				-121.800708°	-121.790353°
DWR ID	DWR_MA0005_02_s_2023_52				
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 N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	6.47	Rating **	M	Issue No.	13	
LM End	6.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.589146°	39.589146°	
				-121.800463°	-121.800463°	
DWR ID	1654					
Comment Code						
Inspector Comment						
DS_ID:1654 FS_ID:66463 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Pipe has been CIPP lined, new flap gate installed on waterside end. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/23/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/28/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at both the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.56). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 627+00), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 627+00, 7 January 1953]. FS Date: 3/4/2021 1:12:00 PM						

Photo 1 of 3 : UCIP_SP_2023_66463_98875.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	6.47	Rating **	M	Issue No.	13 (cont)
LM End	6.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589146°	39.589146°
				-121.800463°	-121.800463°
DWR ID	1654				

Photo 2 of 3 : UCIP_SP_2023_66463_98876.jpg



Water-Side: View of levee slope looking from crown

LM Start	6.47	Rating **	M	Issue No.	13 (cont)
LM End	6.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66463_98879.jpg



Water-Side: New flap gate installed on pipe end

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	7.96	Rating **	M	Issue No.	14
LM End	7.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.607496°	39.607496°
				-121.786250°	-121.786250°
DWR ID	16850				
Comment Code					
Inspector Comment					
DS_ID:16850 FS_ID:66495 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to 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) 05/18/2017 Unable to locate. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)05/23/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)07/28/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)11/24/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwall at the landside (LS) toe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 552+60), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 2, Station 552+60, 7 January 1953]. FS Date: 3/4/2021 2:42:10 PM					

Photo 1 of 3 : UCIP_SP_2023_66495_98886.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	7.96	Rating **	M	Issue No.	14 (cont)
LM End	7.96	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.607496°	39.607496°	
			-121.786250°	-121.786250°	
DWR ID	16850				

Photo 2 of 3 : UCIP_SP_2023_66495_98887.jpg



Land-Side: View of levee slope looking from crown

LM Start	7.96	Rating **	M	Issue No.	14 (cont)
LM End	7.96	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66495_98888.jpg



Water-Side: View of levee slope looking from crown

LM Start	7.99	Rating **	M	Issue No.	47
LM End	12.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.607746°	39.671411°
				-121.785713°	-121.782218°
DWR ID	DWR_MA0005_02_s_2023_47				
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.00	Rating **	M	Issue No.	15
LM End	8.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.607802°	39.607802°
				-121.785597°	-121.785597°
DWR ID	1656				
Comment Code					
Inspector Comment					
DS_ID:1656 FS_ID:66502 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. Unable to inspect crossing due to construction activity. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/18/2017 LS inlet is almost completely full of soil. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 LS inlet almost completely full of soil. (A. Freitag - DWR Sutter Yard)05/23/2016 LS end is almost complete full of soil. (A. Freitag - DWR Sutter Yard)07/28/2015 Pipe is still over 3/4 full of soil. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/31/2012 Pipe 3/4 full with soil on LS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch CIPP-lined corrugated metal drainage pipe through the levee at an unknown depth below the crown. Concrete headwall at the landside (LS) toe. Flap gate on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, pipe referenced only in USACE As-Built Drawing No. 50-04-2637, Sheet 2, just downstream of old Hwy 99, 7 January 1953. USACE As-Built Drawing No. 50-04-3367, Sheet 13, just upstream of Station 380+85, 11 April 1958]. FS Date: 3/4/2021 2:57:43 PM					

Photo 1 of 2 : UCIP_SP_2023_66502_68129.jpg



Flap gate at WS 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.00	Rating **	M	Issue No.	15 (cont)
LM End	8.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.607802°	39.607802°
				-121.785597°	-121.785597°
DWR ID	1656				

Photo 2 of 2 : UCIP_SP_2023_66502_68128.jpg



Concrete headwall on LS 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.03	Rating **	M	Issue No.	16	
LM End	8.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.608234°	39.608234°	
				-121.785203°	-121.785203°	
DWR ID	1660					
Comment Code						
Inspector Comment						
DS_ID:1660 FS_ID:66520 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to 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) 06/13/2019 Levee mile and coordinates were updated based on the USACE's as-built drawing no. 50-4-2637 from CLM 8.009 (39.60789, -121.785435) to CLM 8.031 (39.608234, -121.785203). (O. Magana - DWR UCIP) 05/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/14/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 05/12/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 07/30/2015 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/24/2014 Unable to locate. (A. Freitag - DWR Sutter Yard) 06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 11/12/2013 Unable to locate. (A. Freitag - DWR Sutter Yard) 06/06/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.7 feet below the crown. Concrete headwalls at both the landside (LS) and the waterside (WS) toes. Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.12). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 541+00), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 2, just upstream of SP RR, 7 January 1953]. FS Date: 3/4/2021 3:31:15 PM						

Photo 1 of 3 : UCIP_SP_2023_66520_98907.jpg



Top of Levee: View of levee crown looking across

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.03	Rating **	M	Issue No.	16 (cont)
LM End	8.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.608234°	39.608234°
				-121.785203°	-121.785203°
DWR ID	1660				

Photo 2 of 3 : UCIP_SP_2023_66520_98906.jpg



Water-Side: View of levee slope looking from toe

LM Start	8.03	Rating **	M	Issue No.	16 (cont)
LM End	8.03	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66520_98908.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.04	Rating **	M	Issue No.	17
LM End	8.04	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.608286 °	39.608286 °	
			-121.785162 °	-121.785162 °	
DWR ID	1753				
Comment Code					
Inspector Comment					
DS_ID:1753 FS_ID:66528 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unable to find a permit for pipe removal. (O.Yakimov - DWR UCIP) 05/12/2016 REMOVED. (A. Freitag - DWR Sutter Yard)07/30/2015 REMOVED. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch 12-gauge asbestos bonded corrugated metal drainage pipe through the levee, 11.7 feet below the crown, not found. No. 102 Calco gate on the waterside (WS), not found. Concrete "U" shaped headwalls on both the landside (LS) and the WS toes, not found. Two corrugated metal cutoff walls installed within the levee prism. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.13). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 379+98), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 2, Station 541+00, 7 January 1953, listed as 24-inch CMP]. FS Date: 3/4/2021 3:54:58 PM					

No Photos

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.11	Rating **	M	Issue No.	19	
LM End	8.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.609162°	39.609162°	
				-121.784647°	-121.784647°	
DWR ID	1662					
Comment Code						
Inspector Comment						
DS_ID:1662 FS_ID:66669 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. This crossing has been CIPP lined, new flap gate installed on waterside end. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/30/2015 Crossing is in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 30-inch CIPP-lined corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.21). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 374+90), listed as 30-inch pipe. USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 13, April 1957]. FS Date: 3/4/2021 2:33:37 PM						

Photo 1 of 3 : UCIP_SP_2023_66669_68394.jpg



Concrete inlet on LS 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.11	Rating **	M	Issue No.	19 (cont)
LM End	8.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.609162°	39.609162°
				-121.784647°	-121.784647°
DWR ID	1662				

Photo 2 of 3 : UCIP_SP_2023_66669_68393.jpg



Concrete inlet on LS toe.

LM Start	8.11	Rating **	M	Issue No.	19 (cont)
LM End	8.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66669_68392.jpg



Concrete outlet and flap gate on WS toe.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.77	Rating **	M	Issue No.	20
LM End	8.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.617747°	39.617747°
				-121.778964°	-121.778964°
DWR ID	1663				

Comment Code

Inspector Comment

DS_ID:1663
FS_ID:66671
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. This pipe has been CIPP lined, according to Sutter Yard flap gate was replaced in 2019. (O.Yakimov - DWR UCIP)
05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/30/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Damaged pipe section was dug up and replaced. New WS flapgate with u-shaped wingwall installed on end of pipe. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. Plans have been made to repair during summer of 2013 before high water season. (A. Freitag - DWR Sutter Yard)11/01/2012 Pipe rusted through along bottom at WS outlet. Sink hole over pipe on WS berm. WS headwall eroded eternally around backside of headwall. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.89). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, pipe is only referenced in USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, (Station 340+04)].
FS Date: 3/4/2021 2:48:29 PM

Photo 1 of 3 : UCIP_SP_2023_66671_98961.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.77	Rating **	M	Issue No.	20 (cont)
LM End	8.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.617747°	39.617747°
				-121.778964°	-121.778964°
DWR ID	1663				

Photo 2 of 3 : UCIP_SP_2023_66671_98962.jpg



Land-Side: View of levee slope looking from crown

LM Start	8.77	Rating **	M	Issue No.	20 (cont)
LM End	8.77	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66671_98959.jpg



Land-Side: CIPP-lined pipe at headwall

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

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.80	Rating **	M	Issue No.	21	
LM End	8.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.618163°	39.618163°	
				-121.778745°	-121.778745°	
DWR ID	1664					
Comment Code						
Inspector Comment						
DS_ID:1664 FS_ID:66672 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP lined, new flap gate installed. (O.Yakimov - DWR UCIP) 05/18/2017 No LS slide gate but not sure its even needed. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (A. Freitag - DWR Sutter Yard)05/12/2016 LS inlet was unburied. Slide gate still missing. (A. Freitag - DWR Sutter Yard)07/30/2015 LS inlet is still buried. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.93). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 338+04), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-3367, Sheet 11, Station 338+04, 11 April 1958]. FS Date: 3/4/2021 2:53:06 PM						

Photo 1 of 3 : UCIP_SP_2023_66672_98964.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	8.80	Rating **	M	Issue No.	21 (cont)
LM End	8.80	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.618163°	39.618163°	
			-121.778745°	-121.778745°	
DWR ID	1664				

Photo 2 of 3 : UCIP_SP_2023_66672_98965.jpg



Water-Side: View of levee slope looking from crown

LM Start	8.80	Rating **	M	Issue No.	21 (cont)
LM End	8.80	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66672_98967.jpg



Water-Side: New flap gate installed

LM Start	9.09	Rating **	M	Issue No.	45
LM End	9.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.622017°	39.622017°
				-121.776552°	-121.776552°
DWR ID	DWR_MA0005_02_s_2016_45				
Comment Code					
EQ : Equipment					
Inspector Comment					
Materials and equipment should be removed from the landside toe.					

Photo 1 of 1 : SP_2023_MA0005_197_45_20230417_00008.jpg



View of equipment and materials from the landside toe.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.12	Rating **	M	Issue No.	22
LM End	9.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.622377°	39.622377°
				-121.776327°	-121.776327°
DWR ID	1665				
Comment Code					
Inspector Comment					
DS_ID:1665 FS_ID:66673 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP lined, new flap gate installed. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/30/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.25). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 321+20), listed as 24-inch pipe]. FS Date: 3/4/2021 2:56:21 PM					

LM Start	9.12	Rating **	M	Issue No.	22 (cont)
LM End	9.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2023_66673_98969.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2023_66673_98970.jpg



Land-Side: View of levee slope looking from crown

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.12	Rating **	M	Issue No.	22 (cont)
LM End	9.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.622377°	39.622377°
				-121.776327°	-121.776327°
DWR ID	1665				

Photo 3 of 3 : UCIP_SP_2023_66673_98973.jpg



Land-Side: CIPP-lined pipe at headwall

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

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.35	Rating **	M	Issue No.	23	
LM End	9.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.625507°	39.625507°	
				-121.775325°	-121.775325°	
DWR ID	16851					
Comment Code						
Inspector Comment						
DS_ID:16851 FS_ID:66675 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 10/19/2021 During O&M Manual review this crossing has been identified at STA 309+11 (not STA 304+10). Updated references and coordinates of the crossing. If crossing still not found during next field visit recommend to conduct geophysical survey at new location. (O.Yakimov - DWR UCIP) 03/04/2021 Record updated from No Action Needed to 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) 05/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/14/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 05/12/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 07/30/2015 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/24/2014 Unable to locate. (A. Freitag - DWR Sutter Yard) 06/04/2014 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/13/2013 Unable to locate. (A. Freitag - DWR Sutter Yard) 06/06/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown, not found. Concrete headwall indicated on the drawing. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 309+11), listed as 14-inch pipe]. FS Date: 3/4/2021 3:03:26 PM						

Photo 1 of 3 : UCIP_SP_2023_66675_98979.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.35	Rating **	M	Issue No.	23 (cont)
LM End	9.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.625507°	39.625507°
				-121.775325°	-121.775325°
DWR ID	16851				

Photo 2 of 3 : UCIP_SP_2023_66675_98980.jpg



Water-Side: View of levee slope looking from crown

LM Start	9.35	Rating **	M	Issue No.	23 (cont)
LM End	9.35	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66675_98981.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.44	Rating **	M	Issue No.	24
LM End	9.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.626894°	39.626894°
				-121.775180°	-121.775180°
DWR ID	1666				

Comment Code

Inspector Comment

DS_ID:1666
FS_ID:66674
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 11, Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 03/04/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing has been CIPP lined, new flap gate installed. Recommend clearing sediment around pipe inlet. (O.Yakimov - DWR UCIP)
05/18/2017 LS inlet half full of soil and WS flap gate half buried by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (A. Freitag - DWR Sutter Yard)05/12/2016 Pipe is half full of soil. (A. Freitag - DWR Sutter Yard)07/30/2015 Pipe is 1/4 to 1/2 full of soil still. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/01/2012 Pipe 1/2 filled with soil. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.57). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 304+10), listed as 24-inch pipe. USACE As-Built Drawing No. 50-4-3367, Sheet 3, no Station referenced, 11 April 1958].
FS Date: 3/4/2021 2:59:17 PM

Photo 1 of 3 : UCIP_SP_2023_66674_98974.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	9.44	Rating **	M	Issue No.	24 (cont)
LM End	9.44	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.626894°	39.626894°	
			-121.775180°	-121.775180°	
DWR ID	1666				

Photo 2 of 3 : UCIP_SP_2023_66674_98975.jpg



Land-Side: View of levee slope looking from crown

LM Start	9.44	Rating **	M	Issue No.	24 (cont)
LM End	9.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66674_98978.jpg



Land-Side: CIPP-lined pipe, headwall at levee toe

LM Start	10.39	Rating **	M	Issue No.	84
LM End	10.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.639177°	39.639177°
				-121.781581°	-121.781581°
DWR ID	DWR_MA0005_02_f_2022_84				
Comment Code					
PR : Prunings					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.63	Rating **	M	Issue No.	18
LM End	10.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.642061°	39.642061°
				-121.783861°	-121.783861°
DWR ID	DWR_MA0005_02_s_2012_18				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_18_20230417_00005.jpg



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

LM Start	10.90	Rating **	U	Issue No.	41
LM End	10.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.645508°	39.645858°
				-121.786515°	-121.786742°
DWR ID	DWR_MA0005_02_f _ 2014_41				
Comment Code					
FE : Fence					
Inspector Comment					
Remove or apply for permit for the fence along the landside toe.					

Photo 1 of 1 : SP_2023_MA0005_197_41_20230417_00007.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	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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.93	Rating **	M	Issue No.	27	
LM End	10.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.645796°	39.645796°	
				-121.786696°	-121.786696°	
DWR ID	1668					
Comment Code						
Inspector Comment						
DS_ID:1668 FS_ID:66677 EP_NO: 6544-A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Indicator Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. Recommend repairing gas line sign on levee slope. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/30/2015 Crossing is in good condition. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 6-inch steel high pressure gas line through the levee, 3.3 feet below the crown. Sign on south side of Durham-Dayton Highway. (6-inch gas line authorized under Permit No. 6544 and 6544-A, 1969 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.07)]. FS Date: 3/3/2021 3:27:47 PM						

LM Start	10.93	Rating **	M	Issue No.	27 (cont)
LM End	10.93	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2023_66677_98986.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2023_66677_98988.jpg



Water-Side: View of levee slope looking from crown

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	10.93	Rating **	M	Issue No.	27 (cont)
LM End	10.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.645796°	39.645796°
				-121.786696°	-121.786696°
DWR ID	1668				

Photo 3 of 3 : UCIP_SP_2023_66677_98987.jpg



Water-Side: Fallen gas line sign on levee slope

LM Start	10.95	Rating **	M	Issue No.	59
LM End	10.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.646036°	39.646598°
				-121.786944°	-121.787365°
DWR ID	DWR_MA0005_02_f _ 2016_59				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	10.98	Rating **	U	Issue No.	60
LM End	11.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.646523°	39.647238°
				-121.787310°	-121.787866°
DWR ID	DWR_MA0005_02_f _ 2016_60				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_60_20230417_00012.jpg



View of a wooden fence along the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.05	Rating **	M	Issue No.	26
LM End	11.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.647400°	39.647400°
				-121.787825°	-121.787825°
DWR ID	DWR_MA0005_02_f_2012_26				
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.12	Rating **	M	Issue No.	28	
LM End	11.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.648185°	39.648185°	
				-121.788563°	-121.788563°	
DWR ID	1671					
Comment Code						
Inspector Comment						
DS_ID:1671 FS_ID:66857 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Crossing appears abandoned. Slide gate is in closed position, stem is bent. Soil and debris at the bottom of CMP riser on waterside shoulder cover slide gate. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 05/18/2017 Abandoned- WS end still buried. (A. Freitag - DWR Sutter Yard)11/14/2016 Appears abandoned. (A. Freitag - DWR Sutter Yard)05/11/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)07/30/2015 Abandoned crossing. Unable to locate the WS end of pipe. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/01/2012 Pipe appears abandoned. It needs to be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 9.4 feet below the crown. Slide gate in a 42-inch corrugated metal riser on the waterside (WS) slope. Concrete distribution box on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.27). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 215+46), listed as 30-inch pipe]. FS Date: 3/3/2021 10:16:09 AM						

Photo 1 of 3 : UCIP_SP_2023_66857_99000.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.12	Rating **	M	Issue No.	28 (cont)
LM End	11.12	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.648185°	39.648185°	
			-121.788563°	-121.788563°	
DWR ID	1671				

Photo 2 of 3 : UCIP_SP_2023_66857_99003.jpg



Land-Side: View of levee slope looking from crown. Concrete distribution box at levee toe

LM Start	11.12	Rating **	M	Issue No.	28 (cont)
LM End	11.12	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_66857_99004.jpg



Land-Side: Pipe end in concrete box at levee toe

LM Start	11.27	Rating **	M	Issue No.	6
LM End	11.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.650046°	39.657142°
				-121.789945°	-121.788690°
DWR ID	DWR_MA0005_02_s_2012_6				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_6_20230417_00002.jpg



View of the ditch along the landside toe. Fall 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	11.77	Rating **	M	Issue No.	94
LM End	11.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.657075°	39.657075°
				-121.788690°	-121.788690°
DWR ID	DWR_MA0005_02_f_2021_94				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	11.77	Rating **	M	Issue No.	71
LM End	11.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.657115°	39.657115°
				-121.788703°	-121.788703°
DWR ID	DWR_MA0005_02_f_2018_71				
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_MA0005_197_71_20230417_00013.jpg



View of the rodent holes along the landside slope.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	12.80	Rating **	M	Issue No.	29
LM End	12.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.670982°	39.670982°
				-121.783103°	-121.783103°
DWR ID	1673				

Comment Code

Inspector Comment

DS_ID:1673
FS_ID:66886
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 03/03/2021 Record remains Non-Urgent. CMP riser on waterside slope is open at ground level. Recommend installation of top cover. Crossing appears abandoned. Headwall is buried in soil at landside toe, soil at the bottom of CMP riser on waterside slope blocks slide gate from opening. Capped pipe in front of headwall on landside may not belong to this crossing. 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. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Abandoned- needs to be done properly. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Abandoned- needs a cover for standpipe. (A. Freitag - DWR Sutter Yard)05/11/2016 Abandoned crossing. Needs a cover for the WS riser. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it. (A. Freitag - DWR Sutter Yard)11/24/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Slide gate top and stem were repaired to make gate operational. (A. Freitag - DWR Sutter Yard)06/06/2013 New slidegate is planned to be installed during summer of 2013. (A. Freitag - DWR Sutter Yard)11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990 (HLM 12.98). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 126+91), listed as 24-inch pipe].
FS Date: 3/3/2021 11:13:03 AM

Photo 1 of 3 : UCIP_SP_2023_66886_99009.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	12.80	Rating **	M	Issue No.	29 (cont)
LM End	12.80	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.670982°	39.670982°	
			-121.783103°	-121.783103°	
DWR ID	1673				

Photo 2 of 3 : UCIP_SP_2023_66886_99011.jpg



Water-Side: View inside CMP riser. Soil buildup at bottom

LM Start	12.80	Rating **	M	Issue No.	29 (cont)
LM End	12.80	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_66886_99013.jpg



Land-Side: Buried in soil headwall at levee toe. Capped pipe in front of headwall

LM Start	12.84	Rating **	M	Issue No.	9
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.671281°	39.671281°
				-121.782390°	-121.782389°
DWR ID	DWR_MA0005_02_s_2019_9				
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_MA0005_197_9_20230417_00004.jpg



View of the animal burrows on the landside slope. Spring 2019.

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	13.02	Rating **	M	Issue No.	51
LM End	13.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673662°	39.673662°
				-121.781317°	-121.781317°
DWR ID	DWR_MA0005_02_s_2020_51				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

LM Start	13.04	Rating **	M	Issue No.	5
LM End	13.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673956°	39.673956°
				-121.781278°	-121.781278°
DWR ID	DWR_MA0005_02_s_2012_5				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove the equipment from the landside toe.					

No Photos

LM Start	13.05	Rating **	M	Issue No.	43
LM End	13.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.674012°	39.677625°
				-121.781270°	-121.778525°
DWR ID	DWR_MA0005_02_s_2023_43				
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	13.07	Rating **	U	Issue No.	50
LM End	13.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.674321°	39.674321°
				-121.781163°	-121.781163°
DWR ID	DWR_MA0005_02_s_2020_50				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_197_50_20230417_00010.jpg



View of the pile of firewood at the landside toe. Spring 2021.

LM Start	13.17	Rating **	M	Issue No.	44
LM End	13.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.675545°	39.677626°
				-121.780153°	-121.778517°
DWR ID	DWR_MA0005_02_s_2023_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.37	Rating **	C	Issue No.	40
LM End	13.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.678164°	39.678164°
				-121.778344°	-121.778344°
DWR ID	DWR_MA0005_02_f_2020_40				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	13.38	Rating **	U	Issue No.	30
LM End	13.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678267°	39.678267°
				-121.778322°	-121.778322°
DWR ID	1740				
Comment Code					
Inspector Comment					
DS_ID:1740 FS_ID:77839 EP_NO: 17127 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 12/13/2022 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. (O.Yakimov - DWR UCIP) 03/03/2021 Record updated from No Action Needed to Non-Urgent. Vegetation and debris around headwall and flap gate on waterside need to be cleared. (O.Yakimov - DWR UCIP) 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Ws flap gate is being overgrown by vegetation. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/24/2014 Flap gate needs to be dug out and unblocked. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Flap gate is completely blocked from being able to open. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/01/2012 Debris, soil, and vegetation creating minor blockage at flap gate outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. 4-foot by 4-foot concrete box and slide gate on the landside (LS). Concrete headwall and flap gate at the waterside (WS) outlet. (36-inch pipe authorized under Permit No. 17127, 1999 - Butte County, Department of Public Works). FS Date: 3/3/2021 8:30:03 PM					

Photo 1 of 3 : UCIP_SP_2023_77839_99026.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	13.38	Rating **	U	Issue No.	30 (cont)
LM End	13.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678267°	39.678267°
				-121.778322°	-121.778322°
DWR ID	1740				

Photo 2 of 3 : UCIP_SP_2023_77839_99029.jpg



Water-Side: Flap gate at levee toe buried in vegetation and debris

LM Start	13.38	Rating **	U	Issue No.	30 (cont)
LM End	13.38	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_77839_99028.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	13.40	Rating **	M	Issue No.	31	
LM End	13.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.678550°	39.678550°	
				-121.778339°	-121.778339°	
DWR ID	1679					
Comment Code						
Inspector Comment						
DS_ID:1679 FS_ID:67136 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. According to DMP records this crossing was CIPP-lined on 07/19/2019. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Concrete "U" shaped headwall on the waterside (WS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 13.61). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 93+78), listed as 24-inch pipe]. FS Date: 3/3/2021 2:46:16 PM						

Photo 1 of 3 : UCIP_SP_2023_67136_99074.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	13.40	Rating **	M	Issue No.	31 (cont)
LM End	13.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.678550°	39.678550°	
			-121.778339°	-121.778339°	
DWR ID	1679				

Photo 2 of 3 : UCIP_SP_2023_67136_99075.jpg



Water-Side: View of levee slope looking from crown

LM Start	13.40	Rating **	M	Issue No.	31 (cont)
LM End	13.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_67136_99076.jpg



Water-Side: Pipe outlet at riverbank

LM Start	13.63	Rating **	M	Issue No.	42
LM End	13.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.681807°	39.682693°
				-121.777912°	-121.777719°
DWR ID	DWR_MA0005_02_s_2023_42				
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.33	Rating **	U	Issue No.	25
LM End	14.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.691580°	39.691580°
				-121.779254°	-121.779254°
DWR ID	DWR_MA0005_02_s_2012_25				
Comment Code					
BU : Building					
Inspector Comment					
There are unpermitted structures at this location.					

Photo 1 of 1 : SP_2023_MA0005_197_25_20230427_00099.jpg



View of the buildings at the landside 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.46	Rating **	U	Issue No.	32
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.693331°	39.693331°
				-121.779556°	-121.779556°
DWR ID	1682				
Comment Code					
Inspector Comment					
DS_ID:1682 FS_ID:67139 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Urgent. Debris inside the pipe blocks flap gate from complete closing that is posing flood risk to landside. Debris needs to be cleared for proper operation. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete "U" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.68). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 37+10), listed as 24-inch pipe]. USACE As-Built Drawing No. 50-04-3350, Sheet 20, STA 37+10, 12 August 1959]. FS Date: 3/3/2021					

Photo 1 of 3 : UCIP_SP_2023_67139_99087.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.46	Rating **	U	Issue No.	32 (cont)
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.693331°	39.693331°	
			-121.779556°	-121.779556°	
DWR ID	1682				

Photo 2 of 3 : UCIP_SP_2023_67139_99088.jpg



Water-Side: U-shaped headwall, flap gate on pipe end. Clearing of debris in pipe is required

LM Start	14.46	Rating **	U	Issue No.	32 (cont)
LM End	14.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_67139_99904.jpg



Water-Side: Flap gate not properly closed due to debris inside pipe

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.47	Rating **	M	Issue No.	33
LM End	14.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.693406°	39.693406°
				-121.779583°	-121.779583°
DWR ID	1683				

Comment Code

Inspector Comment

DS_ID:1683
FS_ID:67140
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/03/2021 Record remains Non-Urgent. This crossing has been CIPP lined, new flap gate installed on waterside end. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/18/2017 WS appears to be in good condition. LS inlet is across a ditch and inaccessible for inspection due to dense vegetation and being down a very steep slope. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Concrete "U" headwalls on both the landside (LS) and the waterside (WS). Flap gate on the WS. Inlet downhill from a concrete lined channel at the low point on the LS toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.69). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 36+85), listed as 24-inch pipe].
FS Date: 3/3/2021 3:13:40 PM

Photo 1 of 3 : UCIP_SP_2023_67140_99090.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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.47	Rating **	M	Issue No.	33 (cont)
LM End	14.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.693406°	39.693406°
				-121.779583°	-121.779583°
DWR ID	1683				

Photo 2 of 3 : UCIP_SP_2023_67140_99091.jpg



Land-Side: U-shaped headwall and pipe inlet at levee toe

LM Start	14.47	Rating **	M	Issue No.	33 (cont)
LM End	14.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2023_67140_99089.jpg



Water-Side: View of levee slope looking from crown

LM Start	14.49	Rating **	C	Issue No.	83
LM End	14.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.693746°	39.693746°
				-121.779434°	-121.779434°
DWR ID	DWR_MA0005_02_f_2022_83				
Comment Code					
T2 : Tree or limb.					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.60	Rating **	M	Issue No.	35	
LM End	14.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.695204°	39.695204°	
				-121.778557°	-121.778557°	
DWR ID	1731					
Comment Code						
Inspector Comment						
DS_ID:1731 FS_ID:67141 EP_NO: 14519 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Flap gate on waterside buried in soil. Recommend clearing flap gate area from soil for proper operation. (O.Yakimov - DWR UCIP) 06/13/2019 DSID 1731 is the official record for any updates related to Permit No. 14519. (O. Magana - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/11/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)08/03/2015 Flapgate blocked by minor sediment buildup. (A. Freitag - DWR Sutter Yard)11/25/2014 Pipe outlet needs to be dug up and flap gate closed. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/02/2012 Pipe outlet burried and flap gate will not function. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch soil proofed steel drainage pipe through the levee, 12 feet below the crown. Concrete headwall on the landside (LS) toe. 4-foot by 4-foot concrete box with a slide gate on the waterside (WS) shoulder. Outlet with a flap gate near the stream, 275 feet southeast of the concrete box on the WS shoulder. (24-inch pipe authorized under Permit No. 14519, 1987 - California Department of Transportation [Caltrans]). [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.78)]. FS Date: 3/3/2021 3:17:02 PM						

Photo 1 of 3 : UCIP_SP_2023_67141_99093.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	14.60	Rating **	M	Issue No.	35 (cont)
LM End	14.60	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.695204°	39.695204°	
			-121.778557°	-121.778557°	
DWR ID	1731				

Photo 2 of 3 : UCIP_SP_2023_67141_99094.jpg



Land-Side: Headwall and pipe inlet at drainage ditch

LM Start	14.60	Rating **	M	Issue No.	35 (cont)
LM End	14.60	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_67141_99097.jpg



Water-Side: Closeup view of flap gate buried in soil

LM Start	14.93	Rating **	M	Issue No.	82
LM End	14.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.699793°	39.699793°
				-121.778938°	-121.778938°
DWR ID	DWR_MA0005_02_f_2022_82				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.19	Rating **	M	Issue No.	88
LM End	15.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.703573°	39.703573°
				-121.778309°	-121.778309°
DWR ID	DWR_MA0005_02_s_2022_88				
Comment Code					
T2 : Tree or limb.					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.26	Rating **	U	Issue No.	36
LM End	15.26	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.704409 °	39.704409 °	
			-121.777803 °	-121.777803 °	
DWR ID	1686				

Comment Code

Inspector Comment

DS_ID:1686
FS_ID:67143
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 03/03/2021 Record updated from Non-Urgent to Urgent. Slide gate in CMP riser on waterside shoulder is in open position. Slide gate stem is bent inside riser. Concrete standpipe on landside slope is in unsound condition. Top concrete ring shifted creating a gap. Crossing appears abandoned. Pipe crossing levee at sharp angle. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/18/2017 Only WS and LS standpipes visible. (A. Freitag - DWR Sutter Yard)11/14/2016 Still only WS standpipe visible. (A. Freitag - DWR Sutter Yard)05/11/2016 Only WS standpipe was visible. (A. Freitag - DWR Sutter Yard)08/03/2015 Only able to locate the standpipe on the WS. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe (siphon) through the levee, 10 feet below the crown. Slide gate in a 36-inch corrugated metal riser on the waterside (WS) slope. 30-inch concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 15.48). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 145+53), listed as 12-inch pipe]
FS Date: 3/3/2021 3:24:19 PM

Photo 1 of 3 : UCIP_SP_2023_67143_99103.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.26	Rating **	U	Issue No.	36 (cont)
LM End	15.26	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.704409 °	39.704409 °	
			-121.777803 °	-121.777803 °	
DWR ID	1686				

Photo 2 of 3 : UCIP_SP_2023_67143_99107.jpg



Land-Side: View of concrete standpipe. Gap is visible between top and middle concrete rings

LM Start	15.26	Rating **	U	Issue No.	36 (cont)
LM End	15.26	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_67143_99106.jpg



Water-Side: View inside of CMP riser. Bent stem

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.47	Rating **	M	Issue No.	37
LM End	15.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707544°	39.707544°
				-121.777701°	-121.777701°
DWR ID	1687				
Comment Code					
Inspector Comment					
DS_ID:1687 FS_ID:67144 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. CMP riser on waterside shoulder is open at ground level. Recommend installation of top cover. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. WS riser needs a cover. (A. Freitag - DWR Sutter Yard)11/14/2016 Good condition-needs a cover for standpipe. (A. Freitag - DWR Sutter Yard)05/11/2016 Needs a lcover for riser. The rest of the crossing appears in good condition. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing is in good condition but needs a cover made for the riser. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. Need to construct covers for top of standpipe. (A. Freitag - DWR Sutter Yard)11/02/2012 Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 54-inch corrugated metal irrigation pipe (siphon) through the levee, 17.8 feet below the crown. Slide gate in a 66-inch corrugated metal riser on the waterside (WS). Concrete headwall and irrigation ditch at the landside (LS) toe. Edgar Slough riser units in the floodway. [Additional Reference(s): DWR Levee Log, 1990 (HLM 15.71). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 132+00), listed as 54-inch pipe]. FS Date: 3/3/2021 3:30:43 PM					

Photo 1 of 3 : UCIP_SP_2023_67144_99108.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.47	Rating **	M	Issue No.	37 (cont)
LM End	15.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707544 °	39.707544 °
				-121.777701 °	-121.777701 °
DWR ID	1687				

Photo 2 of 3 : UCIP_SP_2023_67144_99110.jpg



Water-Side: View of levee slope looking from crown

LM Start	15.47	Rating **	M	Issue No.	37 (cont)
LM End	15.47	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_67144_99109.jpg



Water-Side: View of levee slope looking from crown. CMP riser needs a top cover

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

Levee Inspection Report By Mile - Spring 2023

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.48	Rating **	M	Issue No.	38
LM End	15.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707569°	39.707569°
				-121.777705°	-121.777705°
DWR ID	16316				
Comment Code					
Inspector Comment					
DS_ID:16316 FS_ID:67145 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. CMP riser on waterside shoulder is open at ground level. Recommend installation of top cover. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/18/2017 Crossing appears to be in good condition. WS riser needs a cover. (A. Freitag - DWR Sutter Yard)11/14/2016 Good condition- needs a cover for standpipe. (A. Freitag - DWR Sutter Yard)05/11/2016 Needs a lcover for riser. The rest of the crossing appears in good condition. (A. Freitag - DWR Sutter Yard)08/03/2015 Crossing appears in good condition but needs a cover made for the riser. (A. Freitag - DWR Sutter Yard)11/25/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/04/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/13/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. Need to construct cover for top of standpipe. (A. Freitag - DWR Sutter Yard)11/01/2012 Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 54-inch corrugated metal irrigation pipe (siphon) through the levee, 17.8 feet below the crown. Slide gate in a 66-inch corrugated metal riser on the waterside (WS). Concrete headwall and irrigation ditch at the landside (LS) toe. Edgar Slough riser units in the floodway. [Additional Reference(s): DWR Levee Log, 1990 (HLM 15.71). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 132+00), listed as 54-inch pipe]. FS Date: 3/3/2021 3:51:42 PM					

Photo 1 of 3 : UCIP_SP_2023_67145_99113.jpg



Top of Levee: View of levee crown looking downstream

* 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	15.48	Rating **	M	Issue No.	38 (cont)
LM End	15.48	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.707569°	39.707569°	
			-121.777705°	-121.777705°	
DWR ID	16316				

Photo 2 of 3 : UCIP_SP_2023_67145_99115.jpg



Water-Side: View of levee slope looking from crown

LM Start	15.48	Rating **	M	Issue No.	38 (cont)
LM End	15.48	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2023_67145_99114.jpg



Water-Side: View of levee slope looking from crown. CMP riser needs a top cover

LM Start	15.69	Rating **	C	Issue No.	87
LM End	15.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.710733°	39.710733°
				-121.777836°	-121.777836°
DWR ID	DWR_MA0005_02_s_2022_87				
Comment Code					
T2 : Tree or limb.					
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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	04/26/2023 04/26/2023	Makar Sokol

LM Start	16.15	Rating **	M	Issue No.	39
LM End	16.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.715395°	39.715395°
				-121.783021°	-121.783021°
DWR ID	DWR_MA0005_02_s_2023_39				
Comment Code					
CA : Campers					
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
Unit Cover Sheet**

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 03 Little Chico Creek Diversion			Left	1.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/26/2023 - 4/26/2023			
DWR Inspector	Makar Sokol			
Accompanied By	Shawn Freitag 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 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	04/26/2023 04/26/2023	Makar Sokol

LM Start	0.37	Rating **	U	Issue No.	1
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.721893°	39.725985°
				-121.780423°	121.781495°
DWR ID	DWR_MA0005_03_s_2023_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2023_MA0005_198_1_20230427_00001.jpg



View of the vegetation along the waterside slope. 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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