

# 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

[illegible]

**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	3/23/2022 - 3/23/2022			
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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	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					
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			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_12				
Comment Code					
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					
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	0.02	Rating **	C	Issue No.	60
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.697079 °	39.696127 °
				-121.773772 °	-121.775013 °
DWR ID	DWR_MA0005_01_f_2019_60				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	0.07	Rating **	C	Issue No.	46
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			39.696611 °	39.696611 °
				-121.774349 °	-121.774349 °
DWR ID	DWR_MA0005_01_f_2016_46				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	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						
FS_ID:64542 DS_ID:1609 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_64542\_96648.jpg



Top of Levee: View of crown at the crossing.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.07</b>	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\_2022\_64542\_96649.jpg



Land-Side: View landside from crown

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

Photo 3 of 3 : UCIP\_SP\_2022\_64542\_96650.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	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**

FS\_ID:64543  
DS\_ID:1610  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_64543\_96659.jpg



Top of Levee: View of levee crown looking downstream

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	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\_2022\_64543\_96655.jpg



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

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

Photo 3 of 3 : UCIP\_SP\_2022\_64543\_96654.jpg



Land-Side: View of levee slope looking from crown. Irrigation ditch on landside

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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	0.57	Rating **	M	Issue No.	4	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.690612 °	39.690612 °	
				-121.777235 °	-121.777235 °	
DWR ID	1611					
Comment Code						
Inspector Comment						
FS_ID:64548 DS_ID:1611 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_64548\_96679.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

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

Photo 2 of 3 : UCIP\_SP\_2022\_64548\_96680.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_64548\_96681.jpg



Water-Side: View of levee slope looking from crown. U-shaped headwall on levee slope

LM Start	0.58	Rating **	M	Issue No.	88
LM End	0.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.690552 °	39.690552 °
				-121.777203 °	-121.777203 °
DWR ID	DWR_MA0005_01_s_2022_88				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	0.58	Rating **	M	Issue No.	32
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.690496 °	39.689137 °
				-121.777109 °	-121.776938 °
DWR ID	DWR_MA0005_01_s_2014_32				
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					
Trees smaller than 4-inches in diameter at chest height should be removed from the landside slope and within ten feet of the landside toe.					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_32\_20220307\_00008.jpg



View of the trees along the landside toe blocking visibility. Spring 2021.

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\_2022\_MA0005\_196\_44\_20220307\_00014.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\_2022\_MA0005\_196\_47\_20220307\_00015.jpg



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

**\* 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

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					

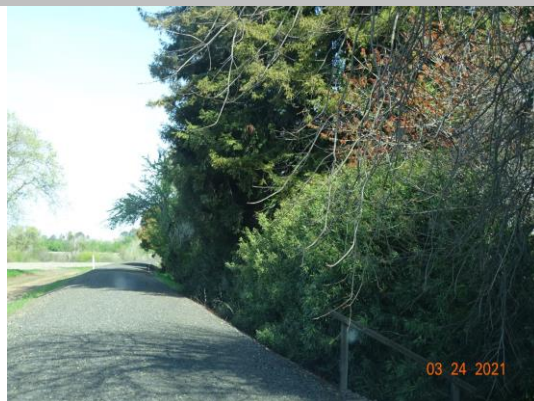
Photo 1 of 1 : SP\_2022\_MA0005\_196\_49\_20220307\_00016.jpg



View of the wood plank fence at the landside toe. Spring 2021.

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\_2022\_MA0005\_196\_50\_20220307\_00017.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\_2022\_MA0005\_196\_87\_20220328\_00149.jpg



View of the stairway on the landside slope. Spring 2022.

\* 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.11	Rating **	M	Issue No.	52
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.683208 °	39.682695 °
				-121.776279 °	-121.776325 °
DWR ID	DWR_MA0005_01_f _ 2016_52				
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	1.16	Rating **	M	Issue No.	43
LM End	1.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.682402 °	39.681322 °
				-121.776405 °	-121.776506 °
DWR ID	DWR_MA0005_01_s_2016_43				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_43\_20220307\_00013.jpg



View of the overgrown vegetation at the landside toe.

LM Start	1.24	Rating **	U	Issue No.	42
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.681305 °	39.681044 °
				-121.776533 °	-121.776547 °
DWR ID	DWR_MA0005_01_s_2016_42				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_42\_20220307\_00012.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                      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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	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\_2022\_MA0005\_196\_41\_20220307\_00011.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.46	Rating **	M	Issue No.	7	
LM End	1.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.678151 °	39.678151 °	
				-121.777263 °	-121.777263 °	
DWR ID	1613					
Comment Code						
Inspector Comment						
FS_ID:64992 DS_ID:1613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: 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. No permit has been found authorizing this pipe through the levee. Gas line sign installed only on waterside shoulder. Cathodic protection testing point attached to the sign. (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 Pipeline is located inside of bridge. (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: 7-inch gas line of an unknown material through the levee, 3 feet below the crown. Vent located on the waterside (WS) shoulder. Plans for bridge replacement show the utility crossing under the westbound lane inside the bridge. (Existing bridge replacement authorized under Permit No. 14301, 1986 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/3/2021 2:36:42 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_64992\_97290.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.678151 °	39.678151 °	
			-121.777263 °	-121.777263 °	
DWR ID	1613				

Photo 2 of 3 : UCIP\_SP\_2022\_64992\_97291.jpg



Water-Side: View of levee slope looking from crown. Gas line sign on levee shoulder

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_64992\_97292.jpg



Water-Side: Contact information on the sign

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	8	
LM End	1.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.677995 °	39.677995 °	
				-121.777263 °	-121.777263 °	
DWR ID	1640					
Comment Code						
Inspector Comment						
FS_ID:65002 DS_ID:1640 EP_NO: 13778 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. According to description conduit could be located inside the bridge under the east bound lane. (O.Yakimov - DWR UCIP) 05/15/2017 Conduit ran inside of bridge. Not visible from the levee. (A. Freitag - DWR Sutter Yard)11/15/2016 Crossing description says conduit is ran inside of the bridge. (A. Freitag - DWR Sutter Yard)05/09/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)  08/05/2015 Crossing is said to be located inside of the bridge. (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)11/20/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4-inch fiberglass communication conduit through the levee, 4 feet below the crown, not found. Conduit crosses at the downstream side of the bridge. Plans for bridge replacement indicate utilities were relocated inside the bridge under the east bound lane. (4-inch fiber glass duct through both levees authorized under Permit No. 13778, 1984 - Pacific Bell). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/3/2021 3:07:42 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_65002\_97302.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.677995 °	39.677995 °	
			-121.777263 °	-121.777263 °	
DWR ID	1640				

Photo 2 of 3 : UCIP\_SP\_2022\_65002\_97303.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65002\_97304.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	14	
LM End	1.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.677995 °	39.677995 °	
				-121.777263 °	-121.777263 °	
DWR ID	1767					
Comment Code						
Inspector Comment						
FS_ID:65004 DS_ID:1767 EP_NO: 5411 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. According to description conduit located inside the bridge under the east bound lane. (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 is said to be located inside of bridge. (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: 3.5-inch steel communication conduit through the levee, 3 feet below the crown. Plans for the bridge place the communication conduits inside the bridge under the east bound lane. (three 3.5-inch pipe conduits authorized under Permit No. 5411, 1966 - Pacific Telephone and Telegraph Company [PT&T]). (New bridge construction authorized under Permit No. 14301, 1986 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/3/2021 3:29:53 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_65004\_97305.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	14 (cont)
LM End	1.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.677995 °	39.677995 °
				-121.777263 °	-121.777263 °
DWR ID	1767				

Photo 2 of 3 : UCIP\_SP\_2022\_65004\_97306.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65004\_97307.jpg



Land-Side: Road shoulder downstream of bridge

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	15	
LM End	1.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.677995 °	39.677995 °	
				-121.777263 °	-121.777263 °	
DWR ID	1766					
Comment Code						
Inspector Comment						
FS_ID:65110 DS_ID:1766 EP_NO: 5411 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. According to description conduit located inside the bridge under the east bound lane. (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 is said to be located inside of bridge. (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: 3.5-inch steel communication conduit through the levee, 3 feet below the crown. Plans for the bridge place the communication conduits inside the bridge under the east bound lane. (three 3.5-inch pipe conduits authorized under Permit No. 5411, 1966 - Pacific Telephone and Telegraph Company [PT&T]). (New bridge construction authorized under Permit No. 14301, 1986 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/3/2021 9:13:18 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65110\_97321.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	15 (cont)
LM End	1.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.677995 °	39.677995 °
				-121.777263 °	-121.777263 °
DWR ID	1766				

Photo 2 of 3 : UCIP\_SP\_2022\_65110\_97322.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65110\_97323.jpg



Land-Side: Road shoulder downstream of bridge

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	16	
LM End	1.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.677995 °	39.677995 °	
				-121.777263 °	-121.777263 °	
DWR ID	1765					
Comment Code						
Inspector Comment						
FS_ID:65111 DS_ID:1765 EP_NO: 5411 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. According to description conduit located inside the bridge under the east bound lane. (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 is said to be located inside of bridge. (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: 3.5-inch steel communication conduit through the levee, 3 feet below the crown. Plans for the bridge place the communication conduits inside the bridge under the east bound lane. (three 3.5-inch pipe conduits authorized under Permit No. 5411, 1966 - Pacific Telephone and Telegraph Company [PT&T]). (New bridge construction authorized under Permit No. 14301, 1986 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/3/2021 9:15:32 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65111\_97324.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.47	Rating **	M	Issue No.	16 (cont)
LM End	1.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.677995 °	39.677995 °
				-121.777263 °	-121.777263 °
DWR ID	1765				

Photo 2 of 3 : UCIP\_SP\_2022\_65111\_97325.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65111\_97326.jpg



Land-Side: Road shoulder downstream of bridge

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					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_30\_20220307\_00007.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.66	Rating **	M	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					
The materials and equipment should be moved ten feet away from the landside toe.					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_1\_20220307\_00001.jpg



View of the construction supply on pallets.

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

\* 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

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					
Inspector Comment					
No permit was found for the gate.					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_10\_20220307\_00005.jpg



View of the unpermitted gate. Spring 2020.

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.	86
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.667769 °	39.667769 °
				-121.782726 °	-121.782726 °
DWR ID	DWR_MA0005_01_s_2022_86				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

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

LM Start	2.54	Rating **	M	Issue No.	9
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.663876 °	39.663876 °
				-121.784014 °	-121.784014 °
DWR ID	DWR_MA0005_01_f_2012_9				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_9\_20220307\_00004.jpg



View of the damaged landside slope due to vehicle traffic. Fall 2020.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	2.81	Rating **	M	Issue No.	17
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.660246 °	39.660246 °
				-121.785012 °	-121.785012 °
DWR ID	1614				
Comment Code					
Inspector Comment					
FS_ID:65126 DS_ID:1614 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. Geophysical study indicates presence of pipe through levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/15/2017 Crossing appears to be in good condition. This is a siphon that runs under neath Butte Creek channel and crosses through the Unit2 (right bank levee) at CLM 12.064 and is DS_ID 1672. (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: 36-inch corrugated metal irrigation pipe through the levee, 17.5 feet below the crown. Siphon across the channel. Slide gate in a 48-inch corrugated metal riser on the waterside (WS) slope. 6 foot by 6 foot concrete distribution box with two slide gates 10 feet from the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 2.87). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 324+50), listed as 36-inch pipe.]. FS Date: 3/3/2021 9:32:58 AM					

Photo 1 of 3 : UCIP\_SP\_2022\_65126\_97330.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>2.81</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.660246 °	39.660246 °	
			-121.785012 °	-121.785012 °	
DWR ID	1614				

Photo 2 of 3 : UCIP\_SP\_2022\_65126\_97332.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>2.81</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.81</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65126\_97331.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.82	Rating **	M	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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.06	Rating **	M	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					
Remove the prunings from the landside toe.					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_37\_20220307\_00009.jpg



View of the prunings along the landside toe. Fall 2020.

LM Start	3.21	Rating **	M	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					
Remove the prunings from the landside toe.					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_38\_20220307\_00010.jpg



View of the prunings along the landside toe. Fall 2020.

LM Start	3.24	Rating **	M	Issue No.	83
LM End	3.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.654491 °	39.654491 °
				-121.788095 °	-121.788095 °
DWR ID	DWR_MA0005_01_s_2022_83				
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\_2022\_MA0005\_196\_83\_20220328\_00150.jpg



View of the rodent holes on the landside slope. Spring 2022.

**\* 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.43	Rating **	C	Issue No.	40
LM End	3.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.651837 °	39.651837 °
				-121.789158 °	-121.789158 °
DWR ID	DWR_MA0005_01_f _ 2020_40				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.61	Rating **	M	Issue No.	18
LM End	3.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.649522 °	39.649522 °
				-121.787965 °	-121.787965 °
DWR ID	1615				

**Comment Code**

**Inspector Comment**

FS\_ID:65176  
DS\_ID:1615  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/03/2021 Record remains Non-Urgent. 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)  
07/30/2020 UCIP staff received CVFPB Enforcement Case No. 9708 Compliance Letter confirming repair of screw gate by Durham Mutual Water Company. CVFPB Enforcement Case No. 2019-9708 has been closed. Owner is seeking permit for 30-inch pipe. UCIP record will be update the UCIP record when the permit is issued by the CVFPB. (O. Magana - DWR UCIP)06/05/2019 Durham Mutual Water Company fixed broken slide gate by replacing a stem. Operating wheel is missing. Crossing downgraded to non-urgent. (O. Yakimov - DWR UCIP)10/5/2018 Observed pipe running during inspection. Pipe is used to drain water from LS concrete box to WS. Field structure description was updated to show structure type as drainage pipe. Confirmed that the concrete box on LS receives water from a pipe running along the LS toe from orchards upstream and distributes water between 3 pipes, one of which crosses levee at an angle. Missing closure device on WS. Screw gate stuck in open position inside CMP riser located on WS shoulder and is not operable. (O. Yakimov - DWR)5/15/2017 WS slide gate stem bent and gate is stuck in the open position. Outlet in the the concrete box on the WS berm is opened and allowed water to free flow through the pipe during the Jan/Feb 2017 high water events. Either the screw gate needs to be repaired or a flap gate added to the outlet in the concrete box to not allow high water flows though the levee. Pipe is believed to be owned and operated by Duhram Mutual Water Company at 1807 Duhram Dayton HWY, PO Box 612, Duhram CA 95938 (530)342-9324. (A. Freitag - DWR Sutter Yard) 11/15/2016 Abandoned- slide gate is opened and inoperable. Needs to be properly abandoned. (A. Freitag - DWR Sutter Yard)05/09/2016 Abandoned crossing. Slide gate stem bent and wheel is missing. (A. Freitag - DWR Sutter Yard)08/05/2015 Abandoned crossing. Slide gate stem is bent and gate is inoperable. Needs to be properly abandoned. (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)10/30/2012 Pipe appears to be abandoned. Slide gate open and inoperable. Pipe should be properly abandoned. (W. Wylie - DWR UCIP)

Photo 1 of 3 : UCIP\_SP\_2022\_65176\_97377.jpg



Top of Levee: View of levee crown looking upstream

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

FIELD\_STRUCT\_DESC: 30-inch corrugated metal drainage pipe through the levee, 10.5 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Concrete distribution box on the landside (LS) toe and concrete overflow and siphon box at the edge of berm. (Existing concrete distribution box (LS), 42-inch CMP riser and concrete overflow box (WS) authorized under Permit No. 19450, 2020 - Durham Mutual Water Company).

[Additional Reference(s): DWR Levee Log, 1990 (HLM 3.69). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 368+17), listed as 30-inch pipe].

FS Date: 3/3/2021 3:16:03 PM

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2022\_65176\_97375.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65176\_97376.jpg



Land-Side: View inside of concrete distribution box at levee toe

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	19
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					
FS_ID:65178 DS_ID:1616 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65178\_97384.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	19 (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\_2022\_65178\_97385.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65178\_97383.jpg



Land-Side: Backfilled excavation near distribution box

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	20	
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						
FS_ID:65180 DS_ID:1617 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65180\_97393.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	20 (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\_2022\_65180\_97394.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65180\_97390.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.90	Rating **	M	Issue No.	21	
LM End	3.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.645846 °	39.645846 °	
				-121.785155 °	-121.785155 °	
DWR ID	1618					
Comment Code						
Inspector Comment						
FS_ID:65181 DS_ID:1618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Concrete structures on landside don't seem to belong to this crossing. Unauthorized encroachment recorded in Levee Log prior to 2011. (O.Yakimov - DWR UCIP) 05/15/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)11/15/2016 Unable to locate. Description says its abandoned. (A. Freitag - DWR Sutter Yard)05/09/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)08/05/2015 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)11/20/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)10/30/2012 Unable to locate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch pipe of unknown type and material, through the levee at an unknown depth below the crown, not found. Pipe was labeled as abandoned in the levee log. [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.98), listed as abandoned 4-inch pipe]. FS Date: 3/2/2021 3:55:39 PM						

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65181\_97395.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_65181\_97396.jpg



Land-Side: View of levee slope looking from crown. Concrete structure seems to belong to field irrigation system

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.90	Rating **	M	Issue No.	21 (cont)
LM End	3.90	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.645846 °	39.645846 °
				-121.785155 °	-121.785155 °
DWR ID	1618				

Photo 3 of 3 : UCIP\_SP\_2022\_65181\_97397.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	3.90	Rating **	M	Issue No.	22	
LM End	3.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.645846 °	39.645846 °	
				-121.785155 °	-121.785155 °	
DWR ID	1619					
Comment Code						
Inspector Comment						
FS_ID:65258 DS_ID:1619 EP_NO: 6544-A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/02/2021 Record remains Non-Urgent. No inspection records were available to determine status of line through the levee. (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 Pipe is suspected to cross inside of bridge. (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)10/30/2012 Pipeline should be marked where pipe crosses levee as it is 4-feet below the surface. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 6-inch concrete encased steel high pressure gas pipeline through the levee, 4 feet below the crown. 8-inch diameter Pacific Gas & Electric Company (PG&E) gas access manhole located on the south side of the road, 250 feet east of the levee crown. (6-inch gas line authorized under Permit No. 6544 and 6544-A, 1969 - Pacific Gas and Electric [PG&E]). [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.99)]. FS Date: 3/2/2021 8:15:28 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65258\_97436.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.645846 °	39.645846 °	
			-121.785155 °	-121.785155 °	
DWR ID	1619				

Photo 2 of 3 : UCIP\_SP\_2022\_65258\_97437.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65258\_97438.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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	23
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**

FS\_ID:65267  
DS\_ID:1620  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_65267\_97441.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	23 (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\_2022\_65267\_97442.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65267\_97443.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.56	Rating **	U	Issue No.	24
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**

FS\_ID:65271  
DS\_ID:1768  
EP\_NO: N/A  
Repair Type: Urgent  
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\_2022\_65271\_97448.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.56</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>5.56</b>	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\_2022\_65271\_97449.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>5.56</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65271\_97450.jpg



Water-Side: View of levee slope looking from crown

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\_2022\_MA0005\_196\_55\_20220307\_00018.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	25
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.622358 °	39.622358 °
				-121.773480 °	-121.773480 °
DWR ID	1621				

**Comment Code**

**Inspector Comment**

FS\_ID:65284  
DS\_ID:1621  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. 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 camera 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)11/19/2013 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 2: 60-inch by 60-inch reinforced concrete irrigation box culvert through the levee, 10 feet below the crown. Slide gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS levee toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.83). USACE As-Built Drawing No. 50-04-3367, Sheet 8, Station 478+50, July 22, 1957, listed as 5-feet x 5-feet RC conduit].  
FS Date: 3/2/2021 8:56:50 AM

Photo 1 of 3 : UCIP\_SP\_2022\_65284\_97455.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.72</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.622358 °	39.622358 °	
			-121.773480 °	-121.773480 °	
DWR ID	1621				

Photo 2 of 3 : UCIP\_SP\_2022\_65284\_97456.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>5.72</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65284\_97458.jpg



Land-Side: Concrete tunnel at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.73	Rating **	M	Issue No.	28	
LM End	5.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.622370 °	39.622370 °	
				-121.773472 °	-121.773472 °	
DWR ID	1769					
Comment Code						
Inspector Comment						
FS_ID:65300 DS_ID:1769 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. 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 camera 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)11/19/2013 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 2: 60-inch by 60-inch reinforced concrete box culvert through the levee, 10 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS levee toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.83). USACE As-Built Drawing No. 50-04-3367, Sheet 8, Station 478+50, July 22, 1957, listed as 5-feet x 5-feet RC conduit]. FS Date: 3/2/2021 9:33:56 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65300\_97461.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.73</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>5.73</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.622370 °	39.622370 °	
			-121.773472 °	-121.773472 °	
DWR ID	1769				

Photo 2 of 3 : UCIP\_SP\_2022\_65300\_97462.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>5.73</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>5.73</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65300\_97464.jpg



Land-Side: Concrete tunnel at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	29	
LM End	5.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.621955 °	39.621955 °	
				-121.773633 °	-121.773633 °	
DWR ID	1622					
Comment Code						
Inspector Comment						
FS_ID:65315 DS_ID:1622 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65315\_97469.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.75</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>5.75</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.621955 °	39.621955 °	
			-121.773633 °	-121.773633 °	
DWR ID	1622				

Photo 2 of 3 : UCIP\_SP\_2022\_65315\_97467.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>5.75</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>5.75</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_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\_2022\_MA0005\_196\_56\_20220307\_00019.jpg



View of the erosion at the landside toe. Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	6.66	Rating **	M	Issue No.	82
LM End	6.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.609881 °	39.609881 °
				-121.780500 °	-121.780500 °
DWR ID	DWR_MA0005_01_s _ 2022_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.08	Rating **	M	Issue No.	31	
LM End	7.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.604337 °	39.604337 °	
				-121.783692 °	-121.783692 °	
DWR ID	1730					
Comment Code						
Inspector Comment						
FS_ID:65356 DS_ID:1730 EP_NO: 16993 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. Permit application for 10-inch HDPE casing number 16993, 1999 - Level 3 Communications referenced to this DSID earlier has been withdrawn by applicant. Contact information on communication line marker installed at waterside toe not available, unable to determine owner of crossing. (O.Yakimov - DWR UCIP) 06/13/2019 Permit records from September 6, 2000, indicate application was withdrawn by applicant which means Level 3 Communications did not install a 10-inch conduit. Need close-up photo of marker (emergency contact) found in the field to confirm owner. Need to contact owner to clarify the CVFPB permit issued for conduit found in the field. Record will need to be updated once owner is confirmed. (O. Magana - 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. (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: Unknown size communication conduit through the levee, at an unknown depth. FS Date: 3/2/2021 10:10:55 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65356\_97492.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.08	Rating **	M	Issue No.	31 (cont)
LM End	7.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.604337 °	39.604337 °
				-121.783692 °	-121.783692 °
DWR ID	1730				

Photo 2 of 3 : UCIP\_SP\_2022\_65356\_97493.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>7.08</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>7.08</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65356\_97495.jpg



Water-Side: No contact information on marker installed at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.11	Rating **	M	Issue No.	33	
LM End	7.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.604008 °	39.604008 °	
				-121.783878 °	-121.783878 °	
DWR ID	1623					
Comment Code						
Inspector Comment						
FS_ID:65357 DS_ID:1623 EP_NO: 3835 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. (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)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 8.625-inch steel high pressure fuel pipeline through the levee, 2.9 feet below the crown. Pipe is attached to the downstream side of a railroad bridge. (8.625-inch pipe authorized under Permit No. 3835, 1961 - Southern Pacific Pipelines, Inc.). [Additional Reference(s): DWR Levee Log, 1990 (HLM 7.22)]. FS Date: 3/2/2021 10:19:52 AM						

LM Start	7.11	Rating **	M	Issue No.	33 (cont)
LM End	7.11	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65357\_97496.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_65357\_97497.jpg



Water-Side: View of levee slope looking from crown. Construction site at this location

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.11	Rating **	M	Issue No.	33 (cont)
LM End	7.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.604008 °	39.604008 °
				-121.783878 °	-121.783878 °
DWR ID	1623				

Photo 3 of 3 : UCIP\_SP\_2022\_65357\_97500.jpg



Water-Side: Gas line flags installed along pipe alignment on south side of railroad

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.11	Rating **	M	Issue No.	34
LM End	7.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.603947 °	39.603947 °
				-121.783918 °	-121.783918 °
DWR ID	1624				

**Comment Code**

**Inspector Comment**

FS\_ID:65368  
DS\_ID:1624  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this conduit through the levee. Crossing not found. Construction site prevents inspection of levee at this crossing. Old bridge has been demolished, construction of a new bridge started. (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)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)  
FIELD\_STRUCT\_DESC: 4.5-inch exterior coated steel communication conduit through the levee, 2 feet below the crown. Conduit is mounted to the upstream side of the Midway Road bridge. (Replacement of protective cover over submarine portion of coaxial cable authorized under Permit No. 1984, 1954 - Pacific Telephone and Telegraph Company). (Midway Road bridge replacement authorized under Permit No. 19316, 2020 - Butte County Department of Public Works).  
[Additional Reference(s): DWR Levee Log, 1990 (HLM 7.23)].  
FS Date: 3/2/2021 10:33:06 AM

Photo 1 of 2 : UCIP\_SP\_2022\_65368\_97504.jpg



Water-Side: View of construction site

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.11	Rating **	M	Issue No.	34 (cont)
LM End	7.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.603947 °	39.603947 °
				-121.783918 °	-121.783918 °
DWR ID	1624				

Photo 2 of 2 : UCIP\_SP\_2022\_65368\_67955.jpg



4.5-inch pipes attached to upstream side of bridge.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.11	Rating **	M	Issue No.	35	
LM End	7.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.603947 °	39.603947 °	
				-121.783919 °	-121.783919 °	
DWR ID	1626					
Comment Code						
Inspector Comment						
FS_ID:65377 DS_ID:1626 EP_NO: 14703 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Construction site prevents inspection of levee at this crossing. Old bridge has been demolished, construction of a new bridge started. (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)11/19/2013 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-inch galvanized steel communication conduit through the levee, 2 feet below the crown. Fiber optics cable passes through the conduit. Conduit is attached to the upstream side of the Midway Road bridge. (4-inch conduit authorized under Permit No. 14703, 1987 - U.S. Sprint). (Midway Road bridge replacement authorized under Permit No. 19316, 2020 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, (HLM 7.24), listed as fiber optic cable]. FS Date: 3/2/2021 10:40:49 AM						

Photo 1 of 2 : UCIP\_SP\_2022\_65377\_97505.jpg



Water-Side: View of construction site

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.11	Rating **	M	Issue No.	35 (cont)
LM End	7.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.603947 °	39.603947 °
				-121.783919 °	-121.783919 °
DWR ID	1626				

Photo 2 of 2 : UCIP\_SP\_2022\_65377\_67954.jpg



4.5-inch pipe on upstream side of bridge.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.12	Rating **	M	Issue No.	36	
LM End	7.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.603895 °	39.603895 °	
				-121.783955 °	-121.783955 °	
DWR ID	1625					
Comment Code						
Inspector Comment						
FS_ID:65388 DS_ID:1625 EP_NO: 13497 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Construction site prevents inspection of levee at this crossing. Old bridge has been demolished, construction of a new bridge started. (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)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4.5-inch exterior coated steel communication conduit through the levee, 2 feet below the crown. Mounted on the downstream side of the Midway Road bridge. (4-inch conduit authorized under Permit No. 13497, 1982 - Pacific Telephone Co.). (Midway Road bridge replacement authorized under Permit No. 19316, 2020 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 7.24), listed as 4-inch pipe]. FS Date: 3/2/2021 10:44:21 AM						

LM Start	<b>7.12</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>7.12</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65388\_97506.jpg



Water-Side: View of construction site

Photo 2 of 3 : UCIP\_SP\_2022\_65388\_67956.jpg



underground cable marker.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>7.12</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>7.12</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.603895 °	39.603895 °
				-121.783955 °	-121.783955 °
DWR ID	1625				

Photo 3 of 3 : UCIP\_SP\_2022\_65388\_67957.jpg



Pipes mounted on downstream side of bridge.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.13	Rating **	M	Issue No.	39
LM End	7.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.603758 °	39.603758 °
				-121.784035 °	-121.784035 °
DWR ID	1736				

**Comment Code**

**Inspector Comment**

FS\_ID:65401  
DS\_ID:1736  
EP\_NO: 9296  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Construction site prevents inspection of levee at this crossing. Old bridge has been demolished, construction of a new bridge started. (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)11/19/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)  
FIELD\_STRUCT\_DESC: 4.5-inch galvanized iron communication conduit through the levee 3 feet below levee crown. Communication cables installed in one trench, 10 feet west of the edge of pavement on Midway Road. Conduit is attached to the downstream side of the bridge. (Installation of telephone cable authorized under Permit No. 9296, 1974 - Pacific Telephone and Telegraph Company [PT&T]). (Midway Road bridge replacement authorized under Permit No. 19316, 2020 - Butte County Department of Public Works).  
FS Date: 3/2/2021 10:49:04 AM

Photo 1 of 3 : UCIP\_SP\_2022\_65401\_97507.jpg



Water-Side: View of construction site

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.13	Rating **	M	Issue No.	39 (cont)	
LM End	7.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.603758 °	39.603758 °	
				-121.784035 °	-121.784035 °	
DWR ID	1736					

Photo 2 of 3 : UCIP\_SP\_2022\_65401\_67958.jpg



underground communication line marker on west side of roadway.

LM Start	<b>7.13</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>7.13</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65401\_67959.jpg



Communication conduit attached to downstream side of bridge.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.24	Rating **	M	Issue No.	45	
LM End	7.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.602224 °	39.602224 °	
				-121.784883 °	-121.784883 °	
DWR ID	1627					
Comment Code						
Inspector Comment						
FS_ID:65432 DS_ID:1627 EP_NO: N/A Repair Type: Non-Urgent 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. 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) 05/16/2017 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: 48-inch reinforced concrete irrigation pipe through the levee, 12.5 feet below the crown, not found. Slide gate in a pipe well on the waterside (WS) slope. Flashboard diversion weir in the channel. Fish ladder along the side of the weir. Concrete headwalls on the landside (LS) and the WS levee toes. Concrete sack revetment and bulkhead on the WS bank. Three reinforced concrete wing walls on the right bank side of the diversion weir. [Additional Reference(s): DWR Levee Log, 1990 (HLM 7.36). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 558+94), listed as 48-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 2, Station 558+93.72, 7 January 1953]. FS Date: 3/2/2021 1:08:30 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_65432\_97530.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>7.24</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>7.24</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.602224 °	39.602224 °	
			-121.784883 °	-121.784883 °	
DWR ID	1627				

Photo 2 of 3 : UCIP\_SP\_2022\_65432\_97529.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>7.24</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>7.24</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65432\_97528.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.58	Rating **	M	Issue No.	51
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					
FS_ID:65433 DS_ID:1628 EP_NO: N/A Repair Type: Non-Urgent 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 poject. (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\_2022\_65433\_97531.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.58	Rating **	M	Issue No.	51 (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\_2022\_65433\_97533.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65433\_97532.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.58	Rating **	M	Issue No.	53	
LM End	7.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.597725 °	39.597725 °	
				-121.787257 °	-121.787257 °	
DWR ID	1733					
Comment Code						
Inspector Comment						
FS_ID:65467 DS_ID:1733 EP_NO: 4735 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/02/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. (O.Yakimov - 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) 08/05/2015 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 Same as last inspection. (A. Freitag - DWR Sutter Yard) 05/29/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: *NOT THROUGH LEVEE* 12-inch steel irrigation pipe not through the levee, at an unknown depth. Pipe crosses Butte Creek to a 36-inch concrete standpipe and pump within floodway. Pipe penetrates the waterside (WS) slope and ends open 6 feet from flap gate that belongs to a 24-inch drainage pipe (DS_ID: 1628 that runs through the levee). (12-inch pipe authorized under Permit No. 4735, 1964 - Gorrill Land Company). [Additional Reference(s): DWR Levee Log, 1990 (HLM 7.70), listed as 12-inch pipe discharging into headwall]. FS Date: 3/2/2021 2:58:40 PM						

Photo 1 of 1 : UCIP\_SP\_2022\_65467\_97554.jpg



Water-Side: This pipe and adjacent pipe DSID 1628 outlet not found on waterside

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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>8.21</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>8.21</b>	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**

FS\_ID:65470  
DS\_ID:1629  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_65470\_97555.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.21	Rating **	M	Issue No.	57 (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\_2022\_65470\_97557.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>8.21</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>8.21</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65470\_97558.jpg



Water-Side: Pipe end with new flap gate installed

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.87	Rating **	M	Issue No.	58
LM End	8.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.582548 °	39.582548 °
				-121.800917 °	-121.800917 °
DWR ID	1630				
Comment Code					
Inspector Comment					
FS_ID:65495 DS_ID:1630 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65495\_97570.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.87	Rating **	M	Issue No.	58 (cont)
LM End	8.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.582548 °	39.582548 °
				-121.800917 °	-121.800917 °
DWR ID	1630				

Photo 2 of 3 : UCIP\_SP\_2022\_65495\_97571.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>8.87</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>8.87</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65495\_97572.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.08	Rating **	U	Issue No.	59	
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						
FS_ID:65744 DS_ID:1631 EP_NO: N/A Repair Type: Urgent 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\_2022\_65744\_98028.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.08	Rating **	U	Issue No.	59 (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\_2022\_65744\_98029.jpg



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

LM Start	<b>9.08</b>	Rating **	U	Issue No.	<b>59 (cont)</b>
LM End	<b>9.08</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65744\_98030.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	62	
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						
FS_ID:65745 DS_ID:1775 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65745\_98033.jpg



View of channel crossing looking perpendicular to Butte Creek

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	62 (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\_2022\_65745\_98034.jpg



View of Butte Creek looking downstream

LM Start	<b>9.52</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65745\_98035.jpg



View of Butte Creek looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	63
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					
FS_ID:65746 DS_ID:1774 EP_NO: N/A Repair Type: Non-Urgent 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 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\_2022\_65746\_98039.jpg



View of channel crossing looking perpendicular to Butte Creek

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	63 (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\_2022\_65746\_98040.jpg



View of Butte Creek looking downstream

LM Start	<b>9.52</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65746\_98041.jpg



View of Butte Creek looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	65	
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						
FS_ID:65747 DS_ID:1632 EP_NO: N/A Repair Type: Non-Urgent 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] 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\_2022\_65747\_98045.jpg



View of channel crossing looking perpendicular to Butte Creek

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	65 (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\_2022\_65747\_98046.jpg



View of Butte Creek looking downstream

LM Start	<b>9.52</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65747\_98047.jpg



View of Butte Creek looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.52	Rating **	M	Issue No.	66	
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						
FS_ID:65748 DS_ID:1773 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65748\_98051.jpg



View of channel crossing looking perpendicular to Butte Creek

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>9.52</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>9.52</b>	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\_2022\_65748\_98052.jpg



View of Butte Creek looking downstream

LM Start	<b>9.52</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_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\_2022\_MA0005\_196\_5\_20220307\_00002.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.04	Rating **	M	Issue No.	67	
LM End	10.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.570596 °	39.570596 °	
				-121.815215 °	-121.815215 °	
DWR ID	1633					
Comment Code						
Inspector Comment						
FS_ID:65749 DS_ID:1633 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/02/2021 Record remains Non-Urgent. Crossing appears abandoned. Pipe not found on waterside. 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) 5/16/2017 Abandoned crossing and 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.10/30/2012 Pipe and headwall buried on WS, no access to slide gate. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS). Flap gate and headwall on the landside (LS). Concrete headwall at the WS toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 10.19). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 706+00), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 706+00, 7 January 1953]. FS Date: 3/2/2021 9:41:58 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65749\_98057.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>10.04</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>10.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.570596 °	39.570596 °	
			-121.815215 °	-121.815215 °	
DWR ID	1633				

Photo 2 of 3 : UCIP\_SP\_2022\_65749\_98058.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>10.04</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>10.04</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65749\_98059.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.26	Rating **	M	Issue No.	68	
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						
FS_ID:65750 DS_ID:1634 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65750\_98061.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>10.26</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>10.26</b>	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\_2022\_65750\_98062.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>10.26</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>10.26</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65750\_98064.jpg



Land-Side: Pipe with flap gate in drainage ditch

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\_2022\_MA0005\_196\_26\_20220307\_00006.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.84	Rating **	M	Issue No.	70
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					
FS_ID:65751 DS_ID:1635 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_65751\_98067.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.84	Rating **	M	Issue No.	70 (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\_2022\_65751\_98068.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>10.84</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>10.84</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65751\_98070.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	71	
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						
FS_ID:65802 DS_ID:1636 EP_NO: N/A Repair Type: Non-Urgent 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						

LM Start	11.36	Rating **	M	Issue No.	71 (cont)
LM End	11.36	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65802\_98101.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_65802\_98102.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	71 (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 3 of 3 : UCIP\_SP\_2022\_65802\_98105.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	73
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**

FS\_ID:65803  
DS\_ID:1782  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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

LM Start	11.36	Rating **	M	Issue No.	73 (cont)
LM End	11.36	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65803\_98106.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_65803\_98107.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.36	Rating **	M	Issue No.	73 (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 3 of 3 : UCIP\_SP\_2022\_65803\_98110.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	74
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**

FS\_ID:65804  
DS\_ID:1783  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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

LM Start	<b>11.37</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>11.37</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65804\_98111.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_65804\_98112.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	74 (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 3 of 3 : UCIP\_SP\_2022\_65804\_98115.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.37	Rating **	M	Issue No.	75	
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						
FS_ID:65805 DS_ID:1784 EP_NO: N/A Repair Type: Non-Urgent 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						

LM Start	11.37	Rating **	M	Issue No.	75 (cont)
LM End	11.37	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_65805\_98116.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_65805\_98117.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>11.37</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>11.37</b>	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 3 of 3 : UCIP\_SP\_2022\_65805\_98120.jpg



Land-Side: Concrete headwall and CIPP-lined pipe

LM Start	11.38	Rating **	C	Issue No.	64
LM End	11.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.556540 °	39.556540 °
				-121.832302 °	-121.832302 °
DWR ID	DWR_MA0005_01_s_2019_64				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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\_2022\_MA0005\_196\_6\_20220307\_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                      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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.85	Rating **	M	Issue No.	76	
LM End	11.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.551212 °	39.551212 °	
				-121.837724 °	-121.837724 °	
DWR ID	1747					
Comment Code						
Inspector Comment						
FS_ID:65839 DS_ID:1747 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/02/2021 Record remains Non-Urgent. Crossing not found. Concrete structure in irrigation ditch on landside at this place likely doesn't belong to this crossing. 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) 05/16/2017 Pipe is buried on both sides of the levee. Unable to locate. (A. Freitag - DWR Sutter Yard)11/15/2016 Buried on both sides of Levee. (A. Freitag - DWR Sutter Yard)05/11/2016 Buried pipe. (A. Freitag - DWR Sutter Yard)08/04/2015 Pipe is buried on both ends. (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 Pipe buried on both LS and WS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation pipe through the levee, at an unknown depth, indicator found. 48-inch corrugated metal riser and a sparring water meter/irrigation structure on the landside (LS). 4-foot by 6-foot concrete distribution box at the LS toe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 836+86), listed as 48-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 836+85.70, 7 January 1953]. FS Date: 3/2/2021 2:38:44 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_65839\_98169.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.85	Rating **	M	Issue No.	76 (cont)
LM End	11.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.551212 °	39.551212 °
				-121.837724 °	-121.837724 °
DWR ID	1747				

Photo 2 of 3 : UCIP\_SP\_2022\_65839\_98170.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>11.85</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>11.85</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65839\_98171.jpg



Water-Side: View of levee slope looking from crown

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	Encroachments			39.547236 °	39.547236 °
				-121.841125 °	-121.841125 °
DWR ID	DWR_MA0005_01_s_2022_80				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

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	Encroachments			39.544787 °	39.544787 °
				-121.842485 °	-121.842485 °
DWR ID	DWR_MA0005_01_s_2022_79				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	13.69	Rating **	M	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					

Photo 1 of 1 : SP\_2022\_MA0005\_196\_69\_20220328\_00151.jpg



View of the erosion along the landside slope and toe. Spring 2022.

LM Start	14.19	Rating **	M	Issue No.	78
LM End	14.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.524887 °	39.517163 °
				-121.861873 °	-121.872285 °
DWR ID	DWR_MA0005_01_s_2022_78				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.46	Rating **	M	Issue No.	77
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**

FS\_ID:65842  
DS\_ID:1639  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_65842\_98184.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.46	Rating **	M	Issue No.	77 (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\_2022\_65842\_98185.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>14.46</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65842\_98187.jpg



Water-Side: CMP drainage pipe with new flap gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**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	3/23/2022 - 3/23/2022			
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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	0.68	Rating **	M	Issue No.	102
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.523845 °	39.533003 °
				-121.867201 °	-121.858527 °
DWR ID	DWR_MA0005_02_s _ 2022_102				
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\_2022\_MA0005\_197\_1\_20220307\_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                      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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	2
LM End	1.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.533049 °	39.533049 °
				-121.858420 °	-121.858420 °
DWR ID	1641				

**Comment Code**

**Inspector Comment**

FS\_ID:65855  
DS\_ID:1641  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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 pipe 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 Pipe 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)11/12/2013 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 irrigation pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS). Concrete headwall and adjustable weir on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.49). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 935+00), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 5, Station 935+00, 7 January 1953].  
FS Date: 3/4/2021 9:01:21 AM

Photo 1 of 3 : UCIP\_SP\_2022\_65855\_98189.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.533049 °	39.533049 °	
			-121.858420 °	-121.858420 °	
DWR ID	1641				

Photo 2 of 3 : UCIP\_SP\_2022\_65855\_98192.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65855\_98193.jpg



Water-Side: Pipe with new flap gate at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	3	
LM End	1.49	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.533082 °	39.533082 °	
				-121.858374 °	-121.858374 °	
DWR ID	1642					
Comment Code						
Inspector Comment						
FS_ID:65861 DS_ID:1642 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. (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) 05/23/2016 Unable to locate. (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: 3.5-inch conduit of an unknown material or purpose through the levee, 3 feet below the crown, not found. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/4/2021 9:17:32 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65861\_98194.jpg



Top of Levee: View of levee crown looking downstream

LM Start	1.49	Rating **	M	Issue No.	3 (cont)
LM End	1.49	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2022\_65861\_98195.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.533082 °	39.533082 °	
			-121.858374 °	-121.858374 °	
DWR ID	1642				

Photo 3 of 3 : UCIP\_SP\_2022\_65861\_98196.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.533085 °	39.533085 °	
			-121.858372 °	-121.858372 °	
DWR ID	1785				

**Comment Code**

**Inspector Comment**

FS\_ID:65862  
 DS\_ID:1785  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Not Found  
 UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. (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)  
 05/23/2016 Unable to locate. (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: 2 of 3: 3.5-inch conduit of an unknown material or purpose through the levee, 3 feet below the crown, not found. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)].  
 FS Date: 3/4/2021 9:21:41 AM

Photo 1 of 3 : UCIP\_SP\_2022\_65862\_98197.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	4 (cont)
LM End	1.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.533085 °	39.533085 °
				-121.858372 °	-121.858372 °
DWR ID	1785				

Photo 2 of 3 : UCIP\_SP\_2022\_65862\_98198.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65862\_98199.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	8	
LM End	1.49	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.533086 °	39.533086 °	
				-121.858371 °	-121.858371 °	
DWR ID	1786					
Comment Code						
Inspector Comment						
FS_ID:65863 DS_ID:1786 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. (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) 05/23/2016 Unable to locate. (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: 3.5-inch conduit of an unknown material or purpose through the levee, 3 feet below the crown, not found. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.50)]. FS Date: 3/4/2021 9:22:36 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65863\_98200.jpg



Top of Levee: View of levee crown looking downstream

LM Start	1.49	Rating **	M	Issue No.	8 (cont)
LM End	1.49	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2022\_65863\_98201.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	8 (cont)
LM End	1.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.533086 °	39.533086 °
				-121.858371 °	-121.858371 °
DWR ID	1786				

Photo 3 of 3 : UCIP\_SP\_2022\_65863\_98202.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.65	Rating **	M	Issue No.	10	
LM End	1.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.534615 °	39.534615 °	
				-121.856233 °	-121.856233 °	
DWR ID	1751					
Comment Code						
Inspector Comment						
FS_ID:65889 DS_ID:1751 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Geophysical study indicates possible presence of pipe through levee. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. 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)05/23/2016 Unable to locate. (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: 16-inch steel irrigation pipe through the levee, at an unknown depth (invert 106.5 feet USED), not found. Pump on the waterside (WS), not found. Calco gate Model 102 - automatic drainage gate, not found. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 927+50), listed as 16-inch pipe. USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 927+50)]. FS Date: 3/4/2021 10:39:08 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_65889\_98208.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.65</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.65</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.534615 °	39.534615 °	
			-121.856233 °	-121.856233 °	
DWR ID	1751				

Photo 2 of 3 : UCIP\_SP\_2022\_65889\_98207.jpg



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

LM Start	<b>1.65</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.65</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65889\_98206.jpg



Land-Side: View of levee slope looking from crown. Irrigation canal on landside

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.65	Rating **	M	Issue No.	11
LM End	1.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.534692 °	39.534692 °
				-121.856151 °	-121.856151 °
DWR ID	1643				
Comment Code					
Inspector Comment					
FS_ID:65896 DS_ID:1643 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. (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)05/23/2016 Unable to locate. (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-inch communication conduit through the levee, 3 feet below the crown. (Underground cable authorized under Permit No. 3511, 1960 - U.S. Army Engineer District). [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.66)]. FS Date: 3/4/2021 11:10:11 AM					

Photo 1 of 3 : UCIP\_SP\_2022\_65896\_98209.jpg



Top of Levee: View of levee crown looking downstream

LM Start	1.65	Rating **	M	Issue No.	11 (cont)
LM End	1.65	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2022\_65896\_98210.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.65</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>1.65</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.534692 °	39.534692 °	
			-121.856151 °	-121.856151 °	
DWR ID	1643				

Photo 3 of 3 : UCIP\_SP\_2022\_65896\_98211.jpg



Land-Side: View of levee slope looking from crown. Irrigation canal on landside

LM Start	1.81	Rating **	M	Issue No.	101
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.536384 °	39.550797 °
				-121.854225 °	-121.841361 °
DWR ID	DWR_MA0005_02_s_2022_101				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.86	Rating **	M	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					
Remove pile of soil and rocks and ag equipment from the landside toe of the levee.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

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\_2022\_MA0005\_197\_49\_20220307\_00010.jpg



View of the erosion at the landside toe. Spring 2021.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	1.91	Rating **	U	Issue No.	12
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**

FS\_ID:65959  
DS\_ID:1645  
EP\_NO: N/A  
Repair Type: Urgent  
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 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\_2022\_65959\_98237.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>1.91</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>1.91</b>	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\_2022\_65959\_98240.jpg



Top of Levee: View of levee crown looking downstream

LM Start	<b>1.91</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>1.91</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_65959\_98236.jpg



Land-Side: View of levee slope looking from crown. Headwall, slide gate, erosion around headwall

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	2.87	Rating **	M	Issue No.	13	
LM End	2.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.549014 °	39.549014 °	
				-121.842866 °	-121.842866 °	
DWR ID	1646					
Comment Code						
Inspector Comment						
FS_ID:66056 DS_ID:1646 EP_NO: 3927 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. Crossing appears abandoned. CMP riser and siphon breaker are not found on landside shoulder, electric motor removed from pump at riverbank, pipe not found on landside. (O.Yakimov - DWR UCIP) 05/18/2017 Appears to have been abandoned. Pump is missing from the pier and there is no sign of the riser and siphon breaker on the LS shoulder. (A. Freitag - DWR Sutter Yard)11/14/2016 Appears abandoned- pump removed from pier in Butte Creek also riser and siphon breaker are no longer seen on LS shoulder. (A. Freitag - DWR Sutter Yard)05/23/2016 Crossing appears to have been abandoned and removed. Could not locate the LS riser and siphon breaker. (A. Freitag - DWR Sutter Yard)07/28/2015 No pump present during any of my inspections. Crossing appears abandoned. CMP riser has been knocked out of levee. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/31/2012 Pump does not appear to be in use or is abandoned. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 20-inch exterior coated steel irrigation pipe through the levee, 2.4 feet below the crown. Not found: siphon breaker in a 24-inch corrugated metal riser on the landside (LS) shoulder. Portable pump on the waterside (WS). (18-inch originally authorized however, approval was given for 20-inch pipe (page 6 of 26) under Permit No. 3927, 1962 - Arrowhead Ranch). [Additional Reference(s): DWR Levee Log, (HLM 2.90), listed as 18-inch pipe]. FS Date: 3/4/2021 11:13:21 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_66056\_98329.jpg



Top of Levee: View of levee crown looking downstream

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2022

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

Photo 2 of 3 : UCIP\_SP\_2022\_66056\_98331.jpg

A photograph of a grassy field with a dirt path or road running through it. The field is green and appears to be a pasture or meadow. There are trees and bushes in the background. The date '03\_04\_2022' is visible in the bottom right corner of the image.

Water-Side: View of levee slope looking from crown

Photo 3 of 3 : UCIP\_SP\_2022\_66056\_98332.jpg



A photograph showing a large, rusty metal pipe or culvert structure extending into a body of water. The pipe is surrounded by trees and vegetation, and the water appears calm. The image is labeled "Photo 3 of 3 : UCIP\_SP\_2022\_66056\_98332.jpg" in the top right corner.

Water-Side: Pipe, pump without electric motor on pile structure

Photo 1 of 1 : SP\_2022\_MA0005\_197\_7\_20220307\_00003.jpg

A photograph showing a gravel road or driveway in a rural setting. The road is made of grey gravel and runs diagonally from the bottom left towards the center. To the right of the road is a concrete curb and a grassy area. In the background, there are trees, a small building, and a flat landscape under a blue sky with some clouds.

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	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\_2022\_MA0005\_197\_55\_20220328\_00189.jpg



View of sloughing on the landside slope. Spring 2022.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.03	Rating **	M	Issue No.	14	
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						
FS_ID:66057						
DS_ID:1647						
EP_NO: N/A						
Repair Type: Non-Urgent						
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\_2022\_66057\_98336.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.03	Rating **	M	Issue No.	14 (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\_2022\_66057\_98337.jpg



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

LM Start	<b>4.03</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>4.03</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66057\_98334.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	M	Issue No.	15
LM End	4.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562794 °	39.562794 °
				-121.828880 °	-121.828880 °
DWR ID	16298				
Comment Code					
Inspector Comment					
FS_ID:66077 DS_ID:16298 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Pipe is concrete plugged from waterside end. Unable to locate a permit and confirm proper pipe abandonment. 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 original pipe installation. (O.Yakimov - DWR UCIP) 05/18/2017 Abandoned and plugged with concrete. 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. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Western Canal Structure] 1 of 5: 60-inch corrugated metal irrigation pipe through the levee, 16.6 feet below the crown. Reinforced concrete headwalls on the landside (LS) and the waterside (WS) shoulders. (Removal of two existing Western Canal Water District dams authorized under Permit No. 16667, 1997 - Western Canal Water District - CH2M Hill). [Additional References: 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 3:26:05 PM					

Photo 1 of 3 : UCIP\_SP\_2022\_66077\_98362.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.562794 °	39.562794 °	
			-121.828880 °	-121.828880 °	
DWR ID	16298				

Photo 2 of 3 : UCIP\_SP\_2022\_66077\_98364.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66077\_98365.jpg



Land-Side: Buried concrete headwall at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	M	Issue No.	16	
LM End	4.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.562814 °	39.562814 °	
				-121.828855 °	-121.828855 °	
DWR ID	16297					
Comment Code						
Inspector Comment						
FS_ID:66078 DS_ID:16297 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Pipe is concrete plugged from waterside end. Unable to locate a permit and confirm proper pipe abandonment. 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 original pipe installation. (O.Yakimov - DWR UCIP) 05/18/2017 Abandoned and plugged with concrete. 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. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)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: [Western Canal Structure] 2 of 5: 60-inch corrugated metal irrigation pipe through the levee, 16.6 feet below the crown. Reinforced concrete headwalls on the landside (LS) and the waterside (WS) shoulders. (Removal of two existing Western Canal Water District dams authorized under Permit No. 16667, 1997 - Western Canal Water District - CH2M Hill). [Additional References: 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 3:29:40 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_66078\_98368.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.562814 °	39.562814 °	
			-121.828855 °	-121.828855 °	
DWR ID	16297				

Photo 2 of 3 : UCIP\_SP\_2022\_66078\_98370.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66078\_98371.jpg



Land-Side: Buried concrete headwall at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	M	Issue No.	17
LM End	4.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562834 °	39.562834 °
				-121.828831 °	-121.828831 °
DWR ID	1648				
Comment Code					
Inspector Comment					
<p>FS_ID:66079 DS_ID:1648 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Pipe is concrete plugged from waterside end. Unable to locate a permit and confirm proper pipe abandonment. 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 original pipe installation. (O.Yakimov - DWR UCIP) 05/18/2017 Abandoned and plugged with concrete. 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. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Western Canal Structure] 3 of 5: 60-inch corrugated metal irrigation pipe through the levee, 16.6 feet below the crown. Reinforced concrete headwalls on the landside (LS) and the waterside (WS) shoulders. (Removal of two existing Western Canal Water District dams authorized under Permit No. 16667, 1997 - Western Canal Water District - CH2M Hill). [Additional References: DWR Levee Log, 1990 (HLM 4.14). USACE Sacramento O&amp;M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 2+00 "A"), listed as 60-inch pipe. USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950]. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 2+00 "A", 7 January 1953]. FS Date: 3/4/2021 3:31:27 PM</p>					

Photo 1 of 3 : UCIP\_SP\_2022\_66079\_98374.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	M	Issue No.	17 (cont)
LM End	4.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562834 °	39.562834 °
				-121.828831 °	-121.828831 °
DWR ID	1648				

Photo 2 of 3 : UCIP\_SP\_2022\_66079\_98376.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66079\_98377.jpg



Land-Side: Buried concrete headwall at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	M	Issue No.	19	
LM End	4.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.562855 °	39.562855 °	
				-121.828806 °	-121.828806 °	
DWR ID	16299					
Comment Code						
Inspector Comment						
FS_ID:66080 DS_ID:16299 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Pipe is concrete plugged from waterside end. Unable to locate a permit and confirm proper pipe abandonment. 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 original pipe installation. (O.Yakimov - DWR UCIP) 05/18/2017 Abandoned and plugged with concrete. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Western Canal Structure] 4 of 5: 60-inch irrigation pipe through the levee, 16.6 feet below the crown. Reinforced concrete headwalls on landside (LS) and waterside (WS) shoulders. (Removal of two existing Western Canal Water District dams authorized under Permit No. 16667, 1997 - Western Canal Water District - CH2M Hill). [Additional References: DWR Levee Logs, 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 3:32:59 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_66080\_98380.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	M	Issue No.	19 (cont)
LM End	4.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562855 °	39.562855 °
				-121.828806 °	-121.828806 °
DWR ID	16299				

Photo 2 of 3 : UCIP\_SP\_2022\_66080\_98382.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66080\_98383.jpg



Land-Side: Buried concrete headwall at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	U	Issue No.	21
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**

FS\_ID:66081  
DS\_ID:16300  
EP\_NO: N/A  
Repair Type: Urgent  
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 on installation. 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\_2022\_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	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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.09	Rating **	U	Issue No.	21 (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\_2022\_66081\_98390.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>4.09</b>	Rating **	U	Issue No.	<b>21 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66081\_98386.jpg



Water-Side: Pipe missing flap gate at headwall

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.54	Rating **	M	Issue No.	22
LM End	4.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.567534 °	39.567534 °
				-121.822918 °	-121.822918 °
DWR ID	16306				

**Comment Code**

**Inspector Comment**

FS\_ID:66375  
DS\_ID:16306  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Pipe is plugged with concrete at waterside end, no evidence of pipe on landside. Unable to locate a permit and confirm proper pipe abandonment. 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)  
05/18/2017 Abandoned and plugged with concrete. 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. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)  
FIELD\_STRUCT\_DESC: [Western Canal] 1 of 3: 60-inch corrugated metal irrigation pipe through the levee, 14.5 feet below the crown. Concrete headwalls on both the landside (LS) and the waterside (WS) ends. (no permit found authorizing structure; Western Canal Structure was abandoned in place and filled with concrete under Permit No. 16667, 1997 - Western Canal Water District). [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.60). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 730+00), listed as 60-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 730+00, 7 January 1953].  
FS Date: 3/4/2021 2:11:30 PM

Photo 1 of 3 : UCIP\_SP\_2022\_66375\_98797.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 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.54	Rating **	M	Issue No.	22 (cont)
LM End	4.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.567534 °	39.567534 °
				-121.822918 °	-121.822918 °
DWR ID	16306				

Photo 2 of 3 : UCIP\_SP\_2022\_66375\_98798.jpg



Water-Side: View of levee slope looking from crown. Concrete headwall on levee slope

LM Start	<b>4.54</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66375\_98801.jpg



Water-Side: View of headwall and abandoned pipe at levee toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.54	Rating **	M	Issue No.	23
LM End	4.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.567557 °	39.567557 °
				-121.822886 °	-121.822886 °
DWR ID	16307				
Comment Code					
Inspector Comment					
FS_ID:66376 DS_ID:16307 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Pipe is plugged with concrete at waterside end, no evidence of pipe on landside. Unable to locate a permit and confirm proper pipe abandonment. 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) 05/18/2017 Abandoned and plugged with concrete. 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. (A. Freitag - DWR Sutter Yard)05/23/2016 Abandoned. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Western Canal] 2 of 3: 60-inch corrugated metal irrigation pipe through the levee, 14.5 feet below the crown. Concrete headwalls on both the landside (LS) and the waterside (WS) ends. (no permit found authorizing structure; Western Canal Structure was abandoned in place and filled with concrete under Permit No. 16667, 1997 - Western Canal Water District). [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.60). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 730+00), listed as 60-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 730+00, 7 January 1953]. FS Date: 3/4/2021 2:18:57 PM					

Photo 1 of 3 : UCIP\_SP\_2022\_66376\_98803.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>4.54</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.567557 °	39.567557 °	
			-121.822886 °	-121.822886 °	
DWR ID	16307				

Photo 2 of 3 : UCIP\_SP\_2022\_66376\_98804.jpg



Water-Side: View of levee slope looking from crown. Concrete headwall on levee slope

LM Start	<b>4.54</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66376\_98807.jpg



Water-Side: View of headwall and abandoned pipe at levee toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	24
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.567576 °	39.567576 °
				-121.822864 °	-121.822864 °
DWR ID	1649				
Comment Code					
Inspector Comment					
FS_ID:66377 DS_ID:1649 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Pipe is plugged with concrete at waterside end, no evidence of pipe on landside. Unable to locate a permit and confirm proper pipe abandonment. 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) 05/18/2017 Abandoned and plugged with concrete. 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. (A. Freitag - DWR Sutter Yard)05/23/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/28/2015 Abandoned- looks to be in good condition. (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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Western Canal] 3 of 3: 60-inch corrugated metal irrigation pipe through the levee, 14.5 feet below the crown. Concrete headwalls on both the landside (LS) and the waterside (WS) ends. (no permit found authorizing structure; Western Canal Structure was abandoned in place and filled with concrete under Permit No. 16667, 1997 - Western Canal Water District). [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.60). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 730+00), listed as 60-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 4, Station 730+00, 7 January 1953]. FS Date: 3/4/2021 2:21:37 PM					

Photo 1 of 3 : UCIP\_SP\_2022\_66377\_98813.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.567576 °	39.567576 °	
			-121.822864 °	-121.822864 °	
DWR ID	1649				

Photo 2 of 3 : UCIP\_SP\_2022\_66377\_98814.jpg



Water-Side: View of levee slope looking from crown. Concrete headwall on levee slope

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66377\_98817.jpg



Water-Side: View of headwall and abandoned pipe at levee toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.35	Rating **	M	Issue No.	27	
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						
FS_ID:66386 DS_ID:1650 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>5.35</b>	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\_2022\_66386\_98831.jpg



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

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66386\_98834.jpg



Water-Side: CMP riser on levee berm

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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.96	Rating **	M	Issue No.	28	
LM End	5.96	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.583636 °	39.583636 °	
				-121.806716 °	-121.806716 °	
DWR ID	1653					
Comment Code						
Inspector Comment						
FS_ID:66452 DS_ID:1653 EP_NO: 14798 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Aerial power line across levee at this location. (O.Yakimov - DWR UCIP) 05/23/2019 (O. Magana - DWR UCIP)07/28/2015 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)05/23/2016 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)11/25/2014 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: 2-inch (Schedule 80) polyvinyl chloride (PVC) electrical conduit through the levee, 1.2 feet below the crown (invert 126.80 feet USED). Conduit extends from an electrical panel located 150 feet from the landside (LS) toe through the levee to an existing pump station in the waterside (WS) overflow area. (2-inch conduit authorized under Permit No. 14798, 1987 - Durham Pump, Inc.). [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.05)]. FS Date: 3/4/2021 11:26:40 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_66452\_98850.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.96</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.583636 °	39.583636 °	
			-121.806716 °	-121.806716 °	
DWR ID	1653				

Photo 2 of 3 : UCIP\_SP\_2022\_66452\_98849.jpg



Water-Side: View of levee slope looking from crown. Power pole on levee berm

LM Start	<b>5.96</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66452\_98848.jpg



Land-Side: View of overhead line looking from levee crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.97	Rating **	M	Issue No.	29
LM End	5.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.583767 °	39.583767 °
				-121.806554 °	-121.806554 °
DWR ID	1652				
Comment Code					
Inspector Comment					
FS_ID:66453 DS_ID:1652 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/23/2019 (O. Magana - 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)05/23/2016 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)11/25/2014 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: 1 of 3: 16-inch riveted steel irrigation pipe through the levee, 10.4 feet below the crown. Gate valve on the waterside (WS). Flap gate on the landside (LS). As-built drawings show field verified location in Unit 2 (right bank). O&M entry indicates location in Unit 1 (left bank). [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.05). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 649+80), listed as 16-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 649+80, 7 January 1953]. FS Date: 3/4/2021 11:52:13 AM					

Photo 1 of 3 : UCIP\_SP\_2022\_66453\_98851.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.97</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>5.97</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.583767 °	39.583767 °	
			-121.806554 °	-121.806554 °	
DWR ID	1652				

Photo 2 of 3 : UCIP\_SP\_2022\_66453\_98852.jpg



Water-Side: View of levee slope looking from crown. Pump on pile structure on levee berm

LM Start	<b>5.97</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>5.97</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66453\_98855.jpg



Water-Side: Pump on pumping platform on berm

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.97	Rating **	M	Issue No.	30
LM End	5.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.583779 °	39.583779 °
				-121.806541 °	-121.806541 °
DWR ID	16311				
Comment Code					
Inspector Comment					
FS_ID:66456 DS_ID:16311 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/23/2019 (O. Magana - 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)05/23/2016 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)11/25/2014 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: 2 of 3: 16-inch riveted steel irrigation pipe through the levee, 10.4 feet below the crown. Gate valve on the waterside (WS). Flap gate on the landside (LS). As-built drawings show field verified location in Unit 2 (right bank). O&M entry indicates location in Unit 1 (left bank). [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.05). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 649+80), listed as 16-inch pipe. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 649+80, 7 January 1953]. FS Date: 3/4/2021 12:52:33 PM					

Photo 1 of 3 : UCIP\_SP\_2022\_66456\_98863.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.97</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>5.97</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.583779 °	39.583779 °	
			-121.806541 °	-121.806541 °	
DWR ID	16311				

Photo 2 of 3 : UCIP\_SP\_2022\_66456\_98864.jpg



Water-Side: View of levee slope looking from crown. Pump on pile structure on levee berm

LM Start	<b>5.97</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>5.97</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66456\_98867.jpg



Water-Side: Pump on pumping platform on berm

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	5.98	Rating **	M	Issue No.	31	
LM End	5.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.583809 °	39.583809 °	
				-121.806543 °	-121.806543 °	
DWR ID	16312					
Comment Code						
Inspector Comment						
FS_ID:66457 DS_ID:16312 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/23/2019 (O. Magana - 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)05/23/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/28/2015 Crossing appears to be 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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 3 of 3: 20-inch SPI-weld steel irrigation pipe through the levee, 10.4 feet below the crown. Gate valve on the waterside (WS). Flap gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.05). USACE Sacramento O&M Manual, Unit 515, April 1955, Revised 28 December 2010, (Station 649+80), listed as 20-inch pipe. USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, December 1949]. USACE As-Built Drawing No. 50-04-2637, Sheet 3, Station 649+80, 7 January 1953]. FS Date: 3/4/2021 12:54:03 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_66457\_98869.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.583809 °	39.583809 °	
			-121.806543 °	-121.806543 °	
DWR ID	16312				

Photo 2 of 3 : UCIP\_SP\_2022\_66457\_98870.jpg



Water-Side: View of levee slope looking from crown. Pump on pile structure on levee berm

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66457\_98873.jpg



Water-Side: Pump on pumping platform on berm

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

* 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	6.06	Rating **	M	Issue No.	99
LM End	6.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.584639 °	39.588331 °
				-121.805403 °	-121.801061 °
DWR ID	DWR_MA0005_02_s _ 2022_99				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	6.47	Rating **	M	Issue No.	32
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**

FS\_ID:66463  
DS\_ID:1654  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_66463\_98875.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>6.47</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>6.47</b>	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\_2022\_66463\_98876.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>6.47</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>6.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66463\_98879.jpg



Water-Side: New flap gate installed on pipe end

LM Start	7.43	Rating **	M	Issue No.	98
LM End	7.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.601493 °	39.607460 °
				-121.792276 °	-121.786351 °
DWR ID	DWR_MA0005_02_s_2022_98				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.65	Rating **	M	Issue No.	97
LM End	7.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.604033 °	39.607457 °
				-121.789657 °	-121.786350 °
DWR ID	DWR_MA0005_02_s_2022_97				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.75	Rating **	M	Issue No.	33	
LM End	7.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.605158 °	39.605158 °	
				-121.788475 °	-121.788475 °	
DWR ID	1655					
Comment Code						
Inspector Comment						
FS_ID:66470 DS_ID:1655 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. Pipe has been CIPP lined, new flapgate 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)05/23/2016 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, 10 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 7.87)]. FS Date: 3/4/2021 1:32:05 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_66470\_98881.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>7.75</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>7.75</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.605158 °	39.605158 °	
			-121.788475 °	-121.788475 °	
DWR ID	1655				

Photo 2 of 3 : UCIP\_SP\_2022\_66470\_98882.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>7.75</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>7.75</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66470\_98885.jpg



Water-Side: New flap gate installed on pipe end

LM Start	7.75	Rating **	C	Issue No.	35
LM End	7.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.605205 °	39.605205 °
				-121.788453 °	-121.788453 °
DWR ID	DWR_MA0005_02_s_2015_35				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.90	Rating **	M	Issue No.	58
LM End	7.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.607030 °	39.607030 °
				-121.787067 °	-121.787067 °
DWR ID	DWR_MA0005_02_f _ 2019_58				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.96	Rating **	M	Issue No.	36	
LM End	7.96	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.607496 °	39.607496 °	
				-121.786250 °	-121.786250 °	
DWR ID	16850					
Comment Code						
Inspector Comment						
FS_ID:66495 DS_ID:16850 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_66495\_98886.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	7.96	Rating **	M	Issue No.	36 (cont)
LM End	7.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607496 °	39.607496 °
				-121.786250 °	-121.786250 °
DWR ID	16850				

Photo 2 of 3 : UCIP\_SP\_2022\_66495\_98887.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>7.96</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>7.96</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66495\_98888.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.00	Rating **	M	Issue No.	37
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**

FS\_ID:66502  
DS\_ID:1656  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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 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\_2022\_66502\_68129.jpg



Flap gate at WS toe.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>8.00</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>8.00</b>	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\_2022\_66502\_68128.jpg



Concrete headwall on LS toe.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.00	Rating **	M	Issue No.	38	
LM End	8.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.607835 °	39.607835 °	
				-121.785541 °	-121.785541 °	
DWR ID	1659					
Comment Code						
Inspector Comment						
FS_ID:66510 DS_ID:1659 EP_NO: 9296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Construction site prevents inspection of levee at this crossing. Old bridge has been demolished, construction of a new bridge started. (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)05/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/28/2015 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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 1-inch telephone conduit through the levee, 3 feet below the crown. Cable is located on the U.S. Highway 99E (now Midway Rd.) bridge over Butte Creek. (Telephone cable authorized under Permit No. 9296, 1974 - Pacific Telephone & Telegraph Company). (Midway Road bridge replacement authorized under Permit No. 19316, 2020 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.13), listed as buried telephone cable]. FS Date: 3/4/2021 3:13:19 PM						

Photo 1 of 1 : UCIP\_SP\_2022\_66510\_68130.jpg



Communication line marker on edge of roadway just north west of levee.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.01	Rating **	M	Issue No.	39
LM End	8.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607883 °	39.607883 °
				-121.785434 °	-121.785434 °
DWR ID	1657				
Comment Code					
Inspector Comment					
FS_ID:66512 DS_ID:1657 EP_NO: 13497 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. Construction site prevents inspection of levee at this crossing. Old bridge has been demolished, construction of a new bridge started. (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)05/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)07/28/2015 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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4-inch steel communication conduit through the levee, 2 feet below the crown. Signs for the communication line installed between the roadway and the railroad. Green connection box next to the roadway at the LS toe. (4-inch conduit authorized under Permit No. 13497, 1982 - Pacific Telephone Company). (Midway Road bridge replacement authorized under Permit No. 19316, 2020 - Butte County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.12)]. FS Date: 3/4/2021 3:15:17 PM					

Photo 1 of 1 : UCIP\_SP\_2022\_66512\_68131.jpg



Signage at left along NE edge of Midway road.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.02	Rating **	M	Issue No.	42
LM End	8.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.608009 °	39.608009 °
				-121.785357 °	-121.785357 °
DWR ID	1661				

**Comment Code**

**Inspector Comment**

FS\_ID:66515  
DS\_ID:1661  
EP\_NO: 3835  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. No inspection records were available to determine status of line through the levee. Gas line markers installed on both sides of levee. (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)05/12/2016 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)11/12/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/06/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)  
FIELD\_STRUCT\_DESC: 8.625-inch steel high pressure fuel pipeline through the levee, 2.9 feet below the crown. Pipe is attached to the railroad bridge across the Butte Creek channel. (8.625-inch pipe authorized under Permit No. 3835, 1961 - Southern Pacific Pipe Lines, Inc). [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.14)].  
FS Date: 3/4/2021 3:16:16 PM

LM Start	<b>8.02</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>8.02</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_66515\_98902.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2022\_66515\_98903.jpg



Water-Side: View of levee slope looking from waterside

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.02	Rating **	M	Issue No.	42 (cont)
LM End	8.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.608009 °	39.608009 °
				-121.785357 °	-121.785357 °
DWR ID	1661				

Photo 3 of 3 : UCIP\_SP\_2022\_66515\_98904.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.03	Rating **	M	Issue No.	43
LM End	8.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.608234 °	39.608234 °
				-121.785203 °	-121.785203 °
DWR ID	1660				
Comment Code					
Inspector Comment					
FS_ID:66520 DS_ID:1660 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_66520\_98907.jpg



Top of Levee: View of levee crown looking across

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.03	Rating **	M	Issue No.	43 (cont)
LM End	8.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.608234 °	39.608234 °
				-121.785203 °	-121.785203 °
DWR ID	1660				

Photo 2 of 3 : UCIP\_SP\_2022\_66520\_98905.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>8.03</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>8.03</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66520\_98906.jpg



Water-Side: View of levee slope looking from toe

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.04	Rating **	M	Issue No.	46	
LM End	8.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.608286 °	39.608286 °	
				-121.785162 °	-121.785162 °	
DWR ID	1753					
Comment Code						
Inspector Comment						
FS_ID:66528 DS_ID:1753 EP_NO: N/A Repair Type: Non-Urgent 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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.11	Rating **	M	Issue No.	47	
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						
FS_ID:66669 DS_ID:1662 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_66669\_68394.jpg



Concrete inlet on LS toe.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.11	Rating **	M	Issue No.	47 (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\_2022\_66669\_68393.jpg



Concrete inlet on LS toe.

LM Start	<b>8.11</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>8.11</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66669\_68392.jpg



Concrete outlet and flap gate on WS toe.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.43	Rating **	M	Issue No.	52
LM End	8.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.613363 °	39.613363 °
				-121.781948 °	-121.781948 °
DWR ID	1739				
Comment Code					
Inspector Comment					
FS_ID:66670 DS_ID:1739 EP_NO: 8628-B Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/04/2021 Record updated from No Action Needed to Non-Urgent. Crossing not found. (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: 4-inch polyvinyl chloride (PVC) irrigation pipe, at an unknown depth, not found. Two wells in the floodway. Pipe may not cross the levee. (4-inch irrigation line authorized under Permit No. 8628-B, 1974 - M. J. and M. B. Keeney). FS Date: 3/4/2021 2:43:28 PM					

LM Start	<b>8.43</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>8.43</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_66670\_98954.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2022\_66670\_98955.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.43	Rating **	M	Issue No.	52 (cont)
LM End	8.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.613363 °	39.613363 °
				-121.781948 °	-121.781948 °
DWR ID	1739				

Photo 3 of 3 : UCIP\_SP\_2022\_66670\_98956.jpg



Land-Side: View of levee slope looking from crown

LM Start	8.56	Rating **	M	Issue No.	96
LM End	8.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.615004 °	39.617495 °
				-121.780605 °	-121.779147 °
DWR ID	DWR_MA0005_02_s_2022_96				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.77	Rating **	M	Issue No.	53
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					
FS_ID:66671 DS_ID:1663 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_66671\_98961.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.77	Rating **	M	Issue No.	53 (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\_2022\_66671\_98962.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>8.77</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>8.77</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66671\_98959.jpg



Land-Side: CIPP-lined pipe at headwall

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	8.80	Rating **	M	Issue No.	54	
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						
FS_ID:66672						
DS_ID:1664						
EP_NO: N/A						
Repair Type: Non-Urgent						
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\_2022\_66672\_98964.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>8.80</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>8.80</b>	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\_2022\_66672\_98965.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>8.80</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>8.80</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_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\_2022\_MA0005\_197\_45\_20220307\_00009.jpg



View of equipment and materials from the landside toe.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.12	Rating **	M	Issue No.	56	
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						
FS_ID:66673 DS_ID:1665 EP_NO: N/A Repair Type: Non-Urgent 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						

Photo 1 of 3 : UCIP\_SP\_2022\_66673\_98969.jpg



Top of Levee: View of levee crown looking downstream

LM Start	<b>9.12</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>9.12</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2022\_66673\_98970.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.12	Rating **	M	Issue No.	56 (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\_2022\_66673\_98973.jpg



Land-Side: CIPP-lined pipe at headwall

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.35	Rating **	M	Issue No.	61	
LM End	9.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.625507 °	39.625507 °	
				-121.775325 °	-121.775325 °	
DWR ID	16851					
Comment Code						
Inspector Comment						
FS_ID:66675 DS_ID:16851 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_66675\_98979.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.35	Rating **	M	Issue No.	61 (cont)
LM End	9.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.625507 °	39.625507 °
				-121.775325 °	-121.775325 °
DWR ID	16851				

Photo 2 of 3 : UCIP\_SP\_2022\_66675\_98980.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>9.35</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>9.35</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66675\_98981.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.44	Rating **	M	Issue No.	62
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**

FS\_ID:66674  
DS\_ID:1666  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_66674\_98974.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	9.44	Rating **	M	Issue No.	62 (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\_2022\_66674\_98975.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66674\_98978.jpg



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

LM Start	9.53	Rating **	M	Issue No.	95
LM End	9.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.628208 °	39.630525 °
				-121.775054 °	-121.774856 °
DWR ID	DWR_MA0005_02_s_2022_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.47	Rating **	C	Issue No.	57
LM End	10.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.640156 °	39.640156 °
				-121.782397 °	-121.782397 °
DWR ID	DWR_MA0005_02_f_2016_57				
Comment Code					
FW : Firewood					
Inspector Comment					
.					

No Photos

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\_2022\_MA0005\_197\_18\_20220307\_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\_2022\_MA0005\_197\_41\_20220307\_00008.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                      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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.91	Rating **	M	Issue No.	63
LM End	10.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.645595 °	39.645595 °
				-121.786563 °	-121.786563 °
DWR ID	1667				
Comment Code					
Inspector Comment					
FS_ID:66676 DS_ID:1667 EP_NO: 4064 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing original pipe. (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)05/12/2016 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: 24-inch corrugated metal irrigation siphon pipe through the levee, 13.5 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. 24-inch concrete manhole/standpipe at the landside (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, 1990 (HLM 11.05). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 226+54), listed as 36-inch pipe. USACE As-Built Drawing No. 50-4-3367, upstream of Station 227+55, Sheets 2 and 7, 11 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 3:06:19 PM					

Photo 1 of 3 : UCIP\_SP\_2022\_66676\_98982.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.91	Rating **	M	Issue No.	63 (cont)	
LM End	10.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.645595 °	39.645595 °	
				-121.786563 °	-121.786563 °	
DWR ID	1667					

Photo 2 of 3 : UCIP\_SP\_2022\_66676\_98984.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>10.91</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>10.91</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66676\_98983.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	10.93	Rating **	M	Issue No.	64
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**

FS\_ID:66677  
DS\_ID:1668  
EP\_NO: 6544-A  
Repair Type: Non-Urgent  
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	<b>10.93</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>10.93</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_66677\_98986.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_SP\_2022\_66677\_98988.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>10.93</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>10.93</b>	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\_2022\_66677\_98987.jpg



Water-Side: Fallen gas line sign on levee slope

LM Start	<b>10.93</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>10.93</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.645866 °	39.645866 °	
			-121.786761 °	-121.786761 °	
DWR ID	1669				

**Comment Code**

**Inspector Comment**

FS\_ID:66678  
DS\_ID:1669  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Not 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. Crossing not found. Levee log indicated that the pipe was abandoned. (O.Yakimov - DWR UCIP)  
11/14/2016 Unable to locate/ description says its abandoned. (A. Freitag - DWR Sutter Yard)05/11/2016 Abandoned. (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)11/13/2013 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: 4-inch steel gas line through the levee, at an unknown depth, not found. Levee log indicated that the pipe was abandoned. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.08), listed as abandoned 4-inch steel gas line].  
FS Date: 3/3/2021 3:31:29 PM

Photo 1 of 3 : UCIP\_SP\_2022\_66678\_98991.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>10.93</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>10.93</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.645866 °	39.645866 °	
			-121.786761 °	-121.786761 °	
DWR ID	1669				

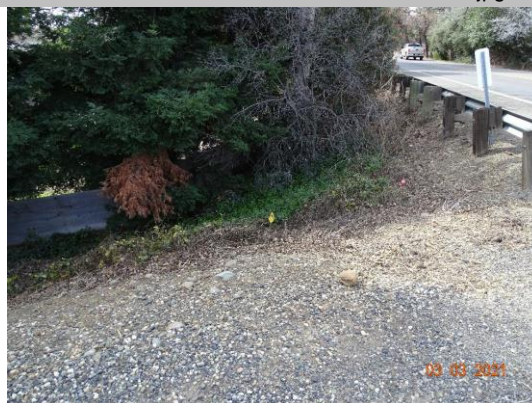
Photo 2 of 3 : UCIP\_SP\_2022\_66678\_98992.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>10.93</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>10.93</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66678\_98993.jpg



Land-Side: View of levee slope looking from crown

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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

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\_2022\_MA0005\_197\_60\_20220307\_00013.jpg



View of a wooden fence along the landside toe. Fall 2020.

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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.12	Rating **	M	Issue No.	66	
LM End	11.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.648169 °	39.648169 °	
				-121.788541 °	-121.788541 °	
DWR ID	1670					
Comment Code						
Inspector Comment						
FS_ID:66679 DS_ID:1670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing appears to be user for water level regulating purposes. 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 Appears abandoned- Slide gates in WS riser and LS distribution box missing. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (A. Freitag - DWR Sutter Yard)11/14/2016 Appears abandoned- Slide gates in WS riser and LS distribution box missing. (A. Freitag - DWR Sutter Yard)05/11/2016 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 New flap gate installed on WS end of pipe. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 9.7 feet below the crown. Slide gate in corrugated metal riser on the waterside (WS) slope. Flap gate on the WS toe. Slide gate in 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+65), listed as 24-inch pipe. USACE As-Built Drawing No. 50-4-3367, Sheet 2, 11 April 1958, drawing shows 18-inch concrete pipe]. FS Date: 3/3/2021 3:51:29 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_66679\_98997.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.12	Rating **	M	Issue No.	66 (cont)
LM End	11.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.648169 °	39.648169 °
				-121.788541 °	-121.788541 °
DWR ID	1670				

Photo 2 of 3 : UCIP\_SP\_2022\_66679\_98996.jpg



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

LM Start	11.12	Rating **	M	Issue No.	66 (cont)
LM End	11.12	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66679\_98994.jpg



Land-Side: Corrugated metal pipe end inside of concrete distribution box

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.12	Rating **	M	Issue No.	67
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**

FS\_ID:66857  
DS\_ID:1671  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_66857\_99000.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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.12	Rating **	M	Issue No.	67 (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\_2022\_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.	67 (cont)
LM End	11.12	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_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\_2022\_MA0005\_197\_6\_20220307\_00002.jpg



View of the ditch along the landside toe. Fall 2020.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	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\_2022\_MA0005\_197\_71\_20220307\_00014.jpg



View of the rodent holes along the landside slope.

LM Start	11.84	Rating **	C	Issue No.	93
LM End	11.84	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.658020 °	39.658020 °
				-121.788251 °	-121.788251 °
DWR ID	DWR_MA0005_02_f_2021_93				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	11.96	Rating **	C	Issue No.	92
LM End	11.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.659668 °	39.659668 °
				-121.787243 °	-121.787243 °
DWR ID	DWR_MA0005_02_f _ 2021_92				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	12.01	Rating **	C	Issue No.	91
LM End	12.04	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.660343 °	39.660633 °
				-121.786781 °	-121.786577 °
DWR ID	DWR_MA0005_02_f_2021_91				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	12.06	Rating **	M	Issue No.	68
LM End	12.06	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.660980 °	39.660980 °	
			-121.786341 °	-121.786341 °	
DWR ID	1672				

**Comment Code**

**Inspector Comment**

FS\_ID:66858  
DS\_ID:1672  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)  
05/18/2017 Crossing appears to be in good condition. This is believed to be a siphon pipe that crosses under Butte Creek channel and passes through the Unit 2(left bank) levee at CLM 2.807 DS\_ID 1614. (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 not abandoned. Water was flowing through the standpipe on the WS shoulder. Unable to locate the source of the water or where it was flowing to. (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 This pipe appears to be abandoned. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 30-inch corrugated metal irrigation pipe through the levee, 12.3 feet below the crown. Slide gate in a 42-inch corrugated metal riser on the waterside (WS) slope. 5-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 12.24). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 165+60), listed as 30-inch pipe].  
FS Date: 3/3/2021 10:21:23 AM

Photo 1 of 3 : UCIP\_SP\_2022\_66858\_99005.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>12.06</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>12.06</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.660980 °	39.660980 °	
			-121.786341 °	-121.786341 °	
DWR ID	1672				

Photo 2 of 3 : UCIP\_SP\_2022\_66858\_99007.jpg



Land-Side: Concrete distribution box off levee toe

LM Start	<b>12.06</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>12.06</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66858\_99008.jpg



Land-Side: View of pipe inside concrete distribution box

LM Start	12.13	Rating **	C	Issue No.	90
LM End	12.13	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.661852 °	39.661852 °
				-121.785736 °	-121.785736 °
DWR ID	DWR_MA0005_02_f_2021_90				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	12.80	Rating **	M	Issue No.	69
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**

FS\_ID:66886  
DS\_ID:1673  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_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	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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>12.80</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>12.80</b>	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\_2022\_66886\_99010.jpg



Water-Side: Open CMP riser with slide gate on levee shoulder

LM Start	<b>12.80</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>12.80</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66886\_99011.jpg



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

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\_2022\_MA0005\_197\_9\_20220307\_00004.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.02	Rating **	C	Issue No.	44
LM End	13.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673685 °	39.673685 °
				-121.781313 °	-121.781313 °
DWR ID	DWR_MA0005_02_s_2016_44				
Comment Code					
FW : Firewood					
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	13.04	Rating **	M	Issue No.	51
LM End	13.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.674001 °	39.674001 °
				-121.781266 °	-121.781266 °
DWR ID	DWR_MA0005_02_s_2020_51				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	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\_2022\_MA0005\_197\_50\_20220307\_00011.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.15	Rating **	M	Issue No.	70	
LM End	13.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.675379 °	39.675379 °	
				-121.780319 °	-121.780319 °	
DWR ID	1674					
Comment Code						
Inspector Comment						
FS_ID:66890 DS_ID:1674 EP_NO: 1291 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Crossing appears abandoned. Evidence of crossing not found on landside. Looking at position of slide gate in CMP riser, pipe appears crossing levee at angle. (O.Yakimov - DWR UCIP) 05/18/2017 Appears abandoned- needs to be done properly. (A. Freitag - DWR Sutter Yard)11/14/2016 Appears abandoned- needs to be done so properly. (A. Freitag - DWR Sutter Yard)05/11/2016 Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard)08/03/2015 Pipe appears to be abandoned. Pump on WS berm is still missing. (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 to be abandoned. No pump found. Pipe should be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 9 feet below the crown. Slide gate in a 36-inch corrugated metal riser on the waterside (WS) slope. Pump and a 36-inch concrete standpipe on the WS. (14-inch concrete pipe authorized under Permit No. 1291, 1948 - J. P. Hansen). [Additional Reference(s): DWR Levee Log, 1990 (HLM 13.35). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 106+93), listed as 24-inch pipe]. FS Date: 3/3/2021 11:21:55 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_66890\_99014.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>13.15</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>13.15</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.675379 °	39.675379 °	
			-121.780319 °	-121.780319 °	
DWR ID	1674				

Photo 2 of 3 : UCIP\_SP\_2022\_66890\_99016.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>13.15</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>13.15</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66890\_99015.jpg



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

LM Start	13.18	Rating **	M	Issue No.	20
LM End	13.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.675750 °	39.676003 °
				-121.779973 °	-121.779756 °
DWR ID	DWR_MA0005_02_s_2022_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.31	Rating **	M	Issue No.	72	
LM End	13.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.677309 °	39.677309 °	
				-121.778668 °	-121.778668 °	
DWR ID	1675					
Comment Code						
Inspector Comment						
FS_ID:66895 DS_ID:1675 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. Electric meter on service pole is energized, pipe not found on waterside. (O.Yakimov - DWR UCIP) 05/18/2017 LS visible but nothing found on WS of levee. (A. Freitag - DWR Sutter Yard)11/14/2016 Still unable to locate and WS appurtances. (A. Freitag - DWR Sutter Yard)05/11/2016 LS seems fine but nothing was found on the WS. (A. Freitag - DWR Sutter Yard)08/03/2015 Still unable to locate anything on the WS. (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 Unable to locate pipe on WS. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe, 4 feet below the crown. Pipe is sleeved with a 5-inch aluminum irrigation pipe. Pump on a concrete pad on the landside (LS) slope. Butterfly valve on the LS slope. [Additional Reference(s): DWR Levee Log, 1990 (HLM 13.51), listed as 5-inch aluminum pipe sleeved through 8-inch pipe through the levee]. FS Date: 3/3/2021 11:26:36 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_66895\_99018.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>13.31</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>13.31</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.677309 °	39.677309 °	
			-121.778668 °	-121.778668 °	
DWR ID	1675				

Photo 2 of 3 : UCIP\_SP\_2022\_66895\_99022.jpg



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

LM Start	<b>13.31</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>13.31</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66895\_99019.jpg



Land-Side: View of levee slope looking from crown. Service pole at levee toe, water pump on slope

LM Start	13.37	Rating **	M	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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	73	
LM End	13.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.678255 °	39.678255 °	
				-121.778327 °	-121.778327 °	
DWR ID	1676					
Comment Code						
Inspector Comment						
FS_ID:66904 DS_ID:1676 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/03/2021 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) 05/11/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 08/03/2015 Unable to locate. (A. Freitag - DWR Sutter Yard) 11/25/2014 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: 8-inch pipe through the levee, 11 feet below the crown. Siphon breaker in corrugated metal riser on the waterside (WS) slope, not found. Pump on the WS berm. [Additional Reference(s): DWR Levee Log, 1990 (HLM 13.59). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 94+76), listed as 8-inch pipe]. FS Date: 3/3/2021 11:32:17 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_66904\_99023.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	73 (cont)
LM End	13.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678255 °	39.678255 °
				-121.778327 °	-121.778327 °
DWR ID	1676				

Photo 2 of 3 : UCIP\_SP\_2022\_66904\_99024.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>13.38</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>13.38</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66904\_99025.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	74	
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						
FS_ID:66915 DS_ID:1740 EP_NO: 17127 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 11:34:25 AM						

Photo 1 of 3 : UCIP\_SP\_2022\_66915\_99026.jpg



Top of Levee: View of levee crown looking upstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	74 (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\_2022\_66915\_99029.jpg



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

LM Start	<b>13.38</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>13.38</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_66915\_99028.jpg



Water-Side: View of levee slope looking from crown

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.40	Rating **	M	Issue No.	75
LM End	13.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678498 °	39.678498 °
				-121.778361 °	-121.778361 °
DWR ID	1677				

**Comment Code**

**Inspector Comment**

FS\_ID:67135  
DS\_ID:1677  
EP\_NO: 14301  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 03/03/2021 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this gas line through the levee. No inspection records were available to determine status of line through the levee. Gas line marker installed only on waterside shoulder. (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)08/03/2015 Crossing is in good condition. (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: 7-inch steel gas line through the levee, 3 feet below the crown. Pipe mounted inside the bridge under the west bound lane (per plan). (Existing bridge replacement authorized under Permit No. 14301, 1986 - Department of Public Works, Butte County).  
[Additional Reference(s): DWR Levee Log, 1990 (HLM 13.60)].  
FS Date: 3/3/2021 2:44:03 PM

LM Start	13.40	Rating **	M	Issue No.	75 (cont)
LM End	13.40	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_67135\_99071.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2022\_67135\_99070.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.40	Rating **	M	Issue No.	75 (cont)
LM End	13.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678498 °	39.678498 °
				-121.778361 °	-121.778361 °
DWR ID	1677				

Photo 3 of 3 : UCIP\_SP\_2022\_67135\_99069.jpg



Water-Side: View of gas line marker on levee shoulder

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.40	Rating **	M	Issue No.	76
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**

FS\_ID:67136  
DS\_ID:1679  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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

LM Start	13.40	Rating **	M	Issue No.	76 (cont)
LM End	13.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2022\_67136\_99074.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2022\_67136\_99075.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.40	Rating **	M	Issue No.	76 (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 3 of 3 : UCIP\_SP\_2022\_67136\_99076.jpg



Water-Side: Pipe outlet at riverbank

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.78	Rating **	M	Issue No.	77	
LM End	13.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.683896 °	39.683896 °	
				-121.778183 °	-121.778183 °	
DWR ID	1680					
Comment Code						
Inspector Comment						
FS_ID:67137 DS_ID:1680 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Crossing and its appurtenances are not found. 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)05/11/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)08/03/2015 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. Unable to locate. (A. Freitag - DWR Sutter Yard)11/13/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)06/06/2013 Boilr (discharge tank) has been removed and pipe buried on LS. Unable to locate. (A. Freitag - DWR Sutter Yard)11/01/2012 Pipe appears to be abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 6.5 feet below the crown. Discharge tank on landside, pump on concrete pump base on waterside berm. (Construction of concrete pump platform and relocating water pump authorized under Permit No. 6856, 1970 - William Coats). [Additional Reference(s): DWR Levee Log, 1990 (HLM 13.99).USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 73+27), listed as 8-inch pipe]. FS Date: 3/3/2021 2:49:33 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_67137\_99077.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.78	Rating **	M	Issue No.	77 (cont)
LM End	13.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.683896 °	39.683896 °
				-121.778183 °	-121.778183 °
DWR ID	1680				

Photo 2 of 3 : UCIP\_SP\_2022\_67137\_99078.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>13.78</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>13.78</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67137\_99079.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	13.94	Rating **	M	Issue No.	78	
LM End	13.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.685961 °	39.685961 °	
				-121.779041 °	-121.779041 °	
DWR ID	1681					
Comment Code						
Inspector Comment						
FS_ID:67138 DS_ID:1681 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Crossing appears abandoned. CMP riser on landside shoulder indicates pipe location. Soil at the bottom of CMP covers siphon breaker. Pipe inlet and outfall are 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 Appears abandoned- if so needs to be done so properly. (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)08/03/2015 Pipe still appears abandoned. (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)11/01/2012 Pipe appears to be abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 7.1 feet below the crown. Siphon breaker in a corrugated metal riser on the landside (LS) slope. One corrugated metal cutoff wall. Pipe is open on both ends. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.15). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 65+52), listed as 6-inch pipe]. FS Date: 3/3/2021 2:52:33 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_67138\_99081.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>13.94</b>	Rating **	M	Issue No.	<b>78 (cont)</b>
LM End	<b>13.94</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.685961 °	39.685961 °	
			-121.779041 °	-121.779041 °	
DWR ID	1681				

Photo 2 of 3 : UCIP\_SP\_2022\_67138\_99082.jpg



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

LM Start	<b>13.94</b>	Rating **	M	Issue No.	<b>78 (cont)</b>
LM End	<b>13.94</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67138\_99083.jpg



Overview of Levee: View inside of CMP riser. Siphon breaker buried in soil

LM Start	14.31	Rating **	M	Issue No.	89
LM End	14.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.691196 °	39.691196 °
				-121.779154 °	-121.779154 °
DWR ID	DWR_MA0005_02_s_2022_89				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	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\_2022\_MA0005\_197\_25\_20220307\_00006.jpg



View of the buildings at the landside toe. Spring 2021.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.46	Rating **	U	Issue No.	79
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**

FS\_ID:67139  
DS\_ID:1682  
EP\_NO: N/A  
Repair Type: Urgent  
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\_2022\_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	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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.46	Rating **	U	Issue No.	79 (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\_2022\_67139\_99088.jpg



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

LM Start	<b>14.46</b>	Rating **	U	Issue No.	<b>79 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67139\_99904.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.47	Rating **	M	Issue No.	80
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**

FS\_ID:67140  
DS\_ID:1683  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_67140\_99090.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.47	Rating **	M	Issue No.	80 (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\_2022\_67140\_99091.jpg



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

LM Start	<b>14.47</b>	Rating **	M	Issue No.	<b>80 (cont)</b>
LM End	<b>14.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67140\_99089.jpg



Water-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	14.60	Rating **	M	Issue No.	81	
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						
FS_ID:67141 DS_ID:1731 EP_NO: 14519 Repair Type: Non-Urgent 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\_2022\_67141\_99093.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>14.60</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>14.60</b>	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\_2022\_67141\_99094.jpg



Land-Side: Headwall and pipe inlet at drainage ditch

LM Start	<b>14.60</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>14.60</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67141\_99095.jpg



Water-Side: View of levee slope looking from crown. Concrete box with slide gate on levee shoulder

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.00	Rating **	M	Issue No.	82	
LM End	15.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.700903 °	39.700903 °	
				-121.779039 °	-121.779039 °	
DWR ID	1685					
Comment Code						
Inspector Comment						
FS_ID:67142 DS_ID:1685 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/03/2021 Record remains Non-Urgent. Geophysical study indicates possible presence of pipe through levee. No permit has been identified authorizing pipe. Pipe crossing levee at angle. (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 the riser. (A. Freitag - DWR Sutter Yard)05/11/2016 Needs a cover for riser. The rest of the crossing appears to be 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. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 42-inch steel irrigation pipe (siphon) through the levee, 10 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. 5-foot by 8-foot concrete distribution box on the landside (LS). Two corrugated metal cutoff walls installed within the levee. [Additional Reference(s): DWR Levee Log, 1990 (HLM 15.22). USACE Sacramento O&M Manual, Unit 516, April 1960, Revised 3 February 2011, (Station 8+30), listed as 42-inch pipe]. FS Date: 3/3/2021 3:20:29 PM						

Photo 1 of 3 : UCIP\_SP\_2022\_67142\_99098.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.00	Rating **	M	Issue No.	82 (cont)
LM End	15.00	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.700903 °	39.700903 °	
			-121.779039 °	-121.779039 °	
DWR ID	1685				

Photo 2 of 3 : UCIP\_SP\_2022\_67142\_99099.jpg



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

LM Start	15.00	Rating **	M	Issue No.	82 (cont)
LM End	15.00	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67142\_99102.jpg



Water-Side: View inside of CMP riser

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.26	Rating **	U	Issue No.	83	
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						
FS_ID:67143 DS_ID:1686 EP_NO: N/A Repair Type: Urgent 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\_2022\_67143\_99103.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>15.26</b>	Rating **	U	Issue No.	<b>83 (cont)</b>
LM End	<b>15.26</b>	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\_2022\_67143\_99104.jpg



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

LM Start	<b>15.26</b>	Rating **	U	Issue No.	<b>83 (cont)</b>
LM End	<b>15.26</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67143\_99107.jpg



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

LM Start	15.41	Rating **	M	Issue No.	88
LM End	15.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.706639 °	39.706639 °
				-121.777669 °	-121.777669 °
DWR ID	DWR_MA0005_02_s_2022_88				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.47	Rating **	M	Issue No.	84	
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						
FS_ID:67144 DS_ID:1687 EP_NO: N/A Repair Type: Non-Urgent 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\_2022\_67144\_99108.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.47	Rating **	M	Issue No.	84 (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\_2022\_67144\_99110.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>15.47</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>15.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67144\_99109.jpg



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

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.48	Rating **	M	Issue No.	85
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**

FS\_ID:67145  
DS\_ID:16316  
EP\_NO: N/A  
Repair Type: Non-Urgent  
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\_2022\_67145\_99113.jpg



Top of Levee: View of levee crown looking downstream

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	<b>15.48</b>	Rating **	M	Issue No.	<b>85 (cont)</b>
LM End	<b>15.48</b>	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\_2022\_67145\_99115.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>15.48</b>	Rating **	M	Issue No.	<b>85 (cont)</b>
LM End	<b>15.48</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_67145\_99114.jpg



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

LM Start	15.54	Rating **	M	Issue No.	86
LM End	15.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.708537 °	39.708537 °
				-121.777722 °	-121.777722 °
DWR ID	DWR_MA0005_02_f_2021_86				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree at the landside toe.					

Photo 1 of 1 : SP\_2022\_MA0005\_197\_86\_20220307\_00015.jpg



View of the downed tree on the landside, Fall 2021.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/23/2022 03/23/2022	Makar Sokol

LM Start	15.69	Rating **	M	Issue No.	87
LM End	15.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.710733 °	39.710733 °
				-121.777836 °	-121.777836 °
DWR ID	DWR_MA0005_02_s _ 2022_87				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2022\_MA0005\_197\_87\_20220328\_00190.jpg



View of a fallen tree at the waterside toe. Spring 2022.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**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	3/23/2022 - 3/23/2022			
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 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	03/23/2022 03/23/2022	Makar Sokol

LM Start	0.62	Rating **	M	Issue No.	2
LM End	0.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.725185 °	39.725185 °
				-121.781575 °	-121.781575 °
DWR ID	DWR_MA0005_03_s_2021_2				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2022\_MA0005\_198\_2\_20220328\_00005.jpg



View of the tree limb on the waterside slope. Spring 2022.

LM Start	0.70	Rating **	M	Issue No.	1
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.726234 °	39.726234 °
				-121.781465 °	-121.781465 °
DWR ID	25668				
Comment Code					
Inspector Comment					

FS\_ID:69359

DS\_ID:25668

EP\_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 03/25/2021 Record remains Non-Urgent. No permit has been found authorizing these conduits through the levee.

(O.Yakimov - DWR UCIP)

FIELD\_STRUCT\_DESC: Multiple PVC conduits (three 3-inch PVC, one 4-inch PVC, two spare 4-inch PVC) imbedded in bridge under walkway on south side of E 20th Street appear to be in single trench through the levee at unknown depth. Buried cable flag located east of bridge shows Comcast as an owner. Permit authorizing conduit installation not found, Permit No. 17798, 2005 - Jerry Tucker authorizing construction of bridge seems to be related to these crossings.

FS Date: 3/25/2021

Photo 1 of 3 : UCIP\_SP\_2022\_69359\_103792.jpg



Enter photo 1 description or comment here.

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

**Levee Inspection Report By Mile - Spring 2022**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	03/23/2022 03/23/2022	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	1 (cont)	
LM End	0.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.726234 °	39.726234 °	
				-121.781465 °	-121.781465 °	
DWR ID	25668					

Photo 2 of 3 : UCIP\_SP\_2022\_69359\_103793.jpg



Enter photo 2 description or comment here.

LM Start	<b>0.70</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.70</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2022\_69359\_103794.jpg



Enter photo 3 description or comment here.

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