

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

Sutter Maintenance Yard Maintenance Area 0001

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

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

†	<p><u>SPRING INSPECTIONS:</u> 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.</p> <p><u>FALL INSPECTIONS:</u> 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.</p>
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Comments

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

Sutter Maintenance Yard Maintenance Area 0001

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	16.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2022 - 4/5/2022			
DWR Inspector	Makar Sokol			
Accompanied By	Gregg Ahlers DWR Sutter Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0001_01_s _ 2016_19				
Comment Code					
Inspector Comment					
The LMA has emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0001_01_s _ 2013_28				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	29
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0001_01_s _ 2013_29				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2019.					

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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

No Photos

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

Photo 1 of 1 : SP_2022_MA0001_297_2_20220307_00001.jpg



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

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

**** Rating**
A : Acceptable 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.06	Rating **	M	Issue No.	1
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.214097 °	39.214097 °
				-122.001910 °	-122.001910 °
DWR ID	16417				

Comment Code

Inspector Comment

FS_ID:62857
DS_ID:16417
EP_NO: 861
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Overhead power line crossing levee at this location. (O.Yakimov - DWR UCIP)
04/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)
10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)
06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)
12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)
07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: Submarine electric transmission cable of an unknown material through the levee and extending across the overflow channel of Sacramento River. (Installation of submarine transmission cable authorized under Permit No. 861, 1941 - Pacific Gas and Electric).
FS Date: 2/23/2021 3:30:10 PM

LM Start	0.06	Rating **	M	Issue No.	1 (cont)
LM End	0.06	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62857_91098.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62857_91099.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.06	Rating **	M	Issue No.	1 (cont)
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.214097 °	39.214097 °	
			-122.001910 °	-122.001910 °	
DWR ID	16417				

Photo 3 of 3 : UCIP_SP_2022_62857_91100.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.07	Rating **	C	Issue No.	105
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.214156 °	39.214156 °
				-122.002134 °	-122.002134 °
DWR ID	DWR_MA0001_01_f_2021_105				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

Photo 1 of 1 : SP_2022_MA0001_297_106_20220307_00029.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

Photo 1 of 2 : SP_2022_MA0001_297_63_20220307_00015.jpg



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

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

Photo 2 of 2 : SP_2022_MA0001_297_63_20220307_00016.jpg



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

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

No Photos

*** 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

No Photos

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

No Photos

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

Photo 1 of 1 : SP_2022_MA0001_297_98_20220307_00026.jpg



View of the slope instability along the waterside slope. Fall 2020.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

No Photos

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

No Photos

*** 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	3
LM End	0.64	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.216206 °	39.216206 °
				-122.011988 °	-122.011988 °
DWR ID	16435				

Comment Code

Inspector Comment

FS_ID:62858
DS_ID:16435
EP_NO: 10524-C
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Unable to locate siphon breaker on landside shoulder. Permit file 10524-C not available, unable to confirm pipe alignment through levee. (O.Yakimov - DWR UCIP)
04/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: Two 2-inch polyvinyl chloride water mains through the levee, 2 feet below the crown. Siphon breaker on the landside (LS) shoulder. (Water mains authorized under revised Permit No. 10524-C, 1979 - City of Colusa Department of Parks and Recreation; related superseded permits Permit No. 10524, 10524-A, and 10524-B, 1979 - City of Colusa, Department of Parks and Recreation). [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.65), listed as 2-1/2-inch pipe].
FS Date: 2/23/2021 3:34:30 PM

LM Start	0.64	Rating **	M	Issue No.	3 (cont)
LM End	0.64	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62858_91102.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62858_91103.jpg



Land-Side: View of levee slope looking from crown

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	3 (cont)
LM End	0.64	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.216206 °	39.216206 °	
			-122.011988 °	-122.011988 °	
DWR ID	16435				

Photo 3 of 3 : UCIP_SP_2022_62858_91104.jpg



Water-Side: View of levee slope looking from crown

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

Photo 1 of 1 : SP_2022_MA0001_297_7_20220307_00005.jpg



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

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

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	8
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.216685 °	39.216685 °	
			-122.012868 °	-122.012868 °	
DWR ID	16434				

Comment Code

Inspector Comment

FS_ID:62859
DS_ID:16434
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. Unable to locate a permit and confirm proper pipe abandonment. (O.Yakimov - DWR UCIP)
04/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 1 of 3: 3-inch pipe of unknown material through the levee, 22 feet below the crown. Steel plate bolted on the landside (LS) end. Levee logs indicate pipe was plugged by USACE in 1971. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.71)].
FS Date: 2/23/2021 3:40:09 PM

LM Start	0.70	Rating **	M	Issue No.	8 (cont)
LM End	0.70	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62859_91106.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62859_91107.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	8 (cont)
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.216685 °	39.216685 °	
			-122.012868 °	-122.012868 °	
DWR ID	16434				

Photo 3 of 3 : UCIP_SP_2022_62859_91108.jpg



Water-Side: View of levee slope looking from crown

LM Start	0.70	Rating **	M	Issue No.	10
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.216685 °	39.216685 °	
			-122.012868 °	-122.012868 °	
DWR ID	17534				

Comment Code

Inspector Comment

FS_ID:62860
DS_ID:17534
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. Unable to locate a permit and confirm proper pipe abandonment. (O.Yakimov - DWR UCIP)
04/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)
10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)
06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)
12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)
07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 2 of 3: 8-inch pipe through the levee 22 feet below the crown. Steel plate bolted on the landside (LS) end. Levee logs indicate pipe was plugged by USACE in 1971. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.71)].
FS Date: 2/23/2021 3:42:56 PM

Photo 1 of 3 : UCIP_SP_2022_62860_91110.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	10 (cont)
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.216685 °	39.216685 °	
			-122.012868 °	-122.012868 °	
DWR ID	17534				

Photo 2 of 3 : UCIP_SP_2022_62860_91111.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.70	Rating **	M	Issue No.	10 (cont)
LM End	0.70	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62860_91112.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	11
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.216685 °	39.216685 °
				-122.012868 °	-122.012868 °
DWR ID	17535				

Comment Code

Inspector Comment

FS_ID:62861
DS_ID:17535
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. Unable to locate a permit and confirm proper pipe abandonment. (O.Yakimov - DWR UCIP)
04/18/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 3 of 3: 10-inch pipe through the levee , 22 feet below the crown. Steel plate bolted on the landside (LS) ends. According to levee logs pipe was plugged by USACE in 1971. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.71)].
FS Date: 2/23/2021 3:44:44 PM

LM Start	0.70	Rating **	M	Issue No.	11 (cont)
LM End	0.70	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62861_91114.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62861_91115.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	11 (cont)
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.216685 °	39.216685 °	
			-122.012868 °	-122.012868 °	
DWR ID	17535				

Photo 3 of 3 : UCIP_SP_2022_62861_91116.jpg



Water-Side: View of levee slope looking from crown

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

Photo 1 of 1 : SP_2022_MA0001_297_59_20220307_00013.jpg



View of the stairs cut into the landside slope. Spring 2020.

LM Start	0.87	Rating **	C	Issue No.	79
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.217717 °	39.217717 °
				-122.015717 °	-122.015717 °
DWR ID	DWR_MA0001_01_s_2019_79				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.21	Rating **	M	Issue No.	83
LM End	16.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.222175 °	39.410651 °
				-122.015752 °	-122.009720 °
DWR ID	DWR_MA0001_01_s _ 2022_83				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2022_MA0001_297_83_20220417_00192.jpg



View of the vegetation along the waterside slope. Spring 2022.

LM Start	1.40	Rating **	M	Issue No.	84
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.224950 °	39.233074 °
				-122.015888 °	-122.014812 °
DWR ID	DWR_MA0001_01_s _ 2022_84				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.54	Rating **	M	Issue No.	62
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.226445 °	39.226445 °
				-122.014452 °	-122.014452 °
DWR ID	DWR_MA0001_01_s _ 2021_62				
Comment Code					
DE : Debris					
Inspector Comment					
Pile of PVC pipes should be removed.					

Photo 1 of 1 : SP_2022_MA0001_297_62_20220307_00014.jpg



View of the pile of PVC pipes at the landside toe. Spring 2021.

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

**** Rating**
A : Acceptable 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.57	Rating **	M	Issue No.	12
LM End	1.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.226836 °	39.226836 °
				-122.014497 °	-122.014497 °
DWR ID	16486				

Comment Code

Inspector Comment

FS_ID:62866
DS_ID:16486
EP_NO: 15617
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Irrigation PVC pipe debris pile on landside. (O.Yakimov - DWR UCIP)
06/01/2016 DELETE record not through levees. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate.
FIELD_STRUCT_DESC: *NOT THROUGH LEVEE* A portable irrigation pump on the right bank of the Sacramento River during the irrigation season. (Installation of portable irrigation pump authorized under Permit No. 15617, 1991 - Nancy Ward).
FS Date: 2/23/2021 8:56:22 AM

LM Start	1.57	Rating **	M	Issue No.	12 (cont)
LM End	1.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62866_91136.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62866_91137.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.57	Rating **	M	Issue No.	12 (cont)
LM End	1.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.226836 °	39.226836 °
				-122.014497 °	-122.014497 °
DWR ID	16486				

Photo 3 of 3 : UCIP_SP_2022_62866_91138.jpg



Land-Side: View of levee slope looking from crown. PVC pipe debris at levee toe

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	13
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231866 °	39.231866 °	
			-122.015442 °	-122.015442 °	
DWR ID	16430				

Comment Code

Inspector Comment

FS_ID:62869
DS_ID:16430
EP_NO: 9487
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 WS end still partially plugged. (A. Freitag - DWR Sutter Yard)
10/24/2016 WS end is till partially plugged. (A. Freitag - DWR Sutter Yard)04/25/2016 WS pipe end is still plugged with soil. Rest of the pipe appeared to be in good condition. (A. Freitag - DWR Sutter Yard)04/20/2015 WS pipe end is plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment.10/18/2012 Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gates in corrugated metal pipe (CMP) riser located on the waterside (WS) slope. Pipe daylights on the landside (LS). (36-inch pipe [HLM 1.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9487, 1974 - Jimeno Rancho. [Additional Reference(s): DWR Levee Log, 1992 (HLM 1.97).USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 103+18), listed as 36-inch pipe].
FS Date: 2/23/2021 9:20:38 AM

Photo 1 of 3 : UCIP_SP_2022_62869_91150.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	13 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231866 °	39.231866 °	
			-122.015442 °	-122.015442 °	
DWR ID	16430				

Photo 2 of 3 : UCIP_SP_2022_62869_91151.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.92	Rating **	U	Issue No.	13 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62869_91152.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	15
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231880 °	39.231880 °	
			-122.015432 °	-122.015432 °	
DWR ID	17565				

Comment Code

Inspector Comment

FS_ID:62871
DS_ID:17565
EP_NO: 9487
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 WS end still partially plugged. (A. Freitag - DWR Sutter Yard)10/24/2016 WS pipe end still plugged. (A. Freitag - DWR Sutter Yard)04/25/2016 WS pipe end still plugged with soil. rest of pipe appears in good condition. (A. Freitag - DWR Sutter Yard)04/20/2015 WS pipe end plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris.10/18/2012 WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gates in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe daylights on the landside (LS). (36-inch pipe [HLM 1.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9487, 1974 - Jimeno Rancho) [Additional Reference(s): DWR Levee Log, 1992 (HLM 1.97).USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 103+18), listed as 36-inch pipe].
FS Date: 2/23/2021 9:23:26 AM

Photo 1 of 3 : UCIP_SP_2022_62871_91162.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	15 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231880 °	39.231880 °	
			-122.015432 °	-122.015432 °	
DWR ID	17565				

Photo 2 of 3 : UCIP_SP_2022_62871_91163.jpg



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

LM Start	1.92	Rating **	U	Issue No.	15 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62871_91164.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	16
LM End	2.23	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.235993 °	39.235993 °	
			-122.012970 °	-122.012970 °	
DWR ID	16429				

Comment Code

Inspector Comment

FS_ID:62872
DS_ID:16429
EP_NO: 9472
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Crossing appears abandoned. Soil blocks more than 80% of pipe end at landside toe. (O.Yakimov - DWR UCIP) 05/03/2017 LS inlet partially plugged with soil. Some debris still present inside riser. (A. Freitag - DWR Sutter Yard)10/24/2016 Debris still inside of riser. (A. Freitag - DWR Sutter Yard)04/25/2016 Pipe still inside of riser and LS end plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/18/2012 Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 54-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe daylights at landside toe. This pipe crosses the levee at angle. (54-inch pipe [HLM 2.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9472, 1974 - Ballard). [Additional Reference(s): DWR Levee Log, 1992 (HLM 2.29). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 120+00), listed as 54-inch pipe].
FS Date: 2/23/2021 9:25:10 AM

Photo 1 of 3 : UCIP_SP_2022_62872_91171.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	16 (cont)
LM End	2.23	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.235993 °	39.235993 °	
			-122.012970 °	-122.012970 °	
DWR ID	16429				

Photo 2 of 3 : UCIP_SP_2022_62872_91172.jpg



Land-Side: View of levee crown looking from crown

LM Start	2.23	Rating **	U	Issue No.	16 (cont)
LM End	2.23	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62872_91174.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	17
LM End	2.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	16428				

Comment Code

Inspector Comment

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

Photo 1 of 3 : UCIP_SP_2022_62873_91178.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	17 (cont)
LM End	2.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	16428				

Photo 2 of 3 : UCIP_SP_2022_62873_91177.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.25	Rating **	M	Issue No.	17 (cont)
LM End	2.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62873_91176.jpg



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

LM Start	2.35	Rating **	M	Issue No.	85
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.237437 °	39.239572 °
				-122.011981 °	-122.010559 °
DWR ID	DWR_MA0001_01_s_2022_85				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.53	Rating **	M	Issue No.	88
LM End	2.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.239764 °	39.239764 °
				-122.010397 °	-122.010397 °
DWR ID	DWR_MA0001_01_s _ 2019_88				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The fig tree should be removed from the landside shoulder.					

Photo 1 of 1 : SP_2022_MA0001_297_88_20220307_00022.jpg



View of the fig tree on the landside shoulder. Spring 2020.

LM Start	2.60	Rating **	M	Issue No.	87
LM End	3.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.240503 °	39.255990 °
				-122.009499 °	-122.009787 °
DWR ID	DWR_MA0001_01_s _ 2022_87				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	20
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410 °	39.243410 °
				-122.008393 °	-122.008393 °
DWR ID	16416				

Comment Code

Inspector Comment

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

Photo 1 of 3 : UCIP_SP_2022_62892_91308.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	20 (cont)
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.243410 °	39.243410 °	
			-122.008393 °	-122.008393 °	
DWR ID	16416				

Photo 2 of 3 : UCIP_SP_2022_62892_91311.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.81	Rating **	U	Issue No.	20 (cont)
LM End	2.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62892_91310.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	21
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243433 °	39.243433 °
				-122.008386 °	-122.008386 °
DWR ID	17567				

Comment Code

Inspector Comment

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

Photo 1 of 3 : UCIP_SP_2022_62894_91323.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.81	Rating **	U	Issue No.	21 (cont)
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.243433 °	39.243433 °	
			-122.008386 °	-122.008386 °	
DWR ID	17567				

Photo 2 of 3 : UCIP_SP_2022_62894_91326.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.81	Rating **	U	Issue No.	21 (cont)
LM End	2.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62894_91325.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.90	Rating **	M	Issue No.	22
LM End	2.90	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.244650 °	39.244650 °
				-122.007918 °	-122.007918 °
DWR ID	17660				

Comment Code

Inspector Comment

FS_ID:62895
DS_ID:17660
EP_NO: 1675
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)
10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)
06/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)
12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)
07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, approximately 12-15 feet below the crown. Slide gate on the outlet end of the pipe. Concrete spillbox on the waterside (WS).
[Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 150+20), listed as 30-inch pipe].
FS Date: 2/23/2021 2:03:41 PM

LM Start	2.90	Rating **	M	Issue No.	22 (cont)
LM End	2.90	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62895_91327.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62895_91328.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	2.90	Rating **	M	Issue No.	22 (cont)
LM End	2.90	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.244650 °	39.244650 °	
			-122.007918 °	-122.007918 °	
DWR ID	17660				

Photo 3 of 3 : UCIP_SP_2022_62895_91329.jpg



Land-Side: View of levee slope looking from crown

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

Photo 1 of 1 : SP_2022_MA0001_297_5_20220307_00002.jpg



View of the concrete lined ditch along the landside toe.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.33	Rating **	M	Issue No.	24	
LM End	3.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.250843 °	39.250843 °	
				-122.007992 °	-122.007992 °	
DWR ID	16426					
Comment Code						
Inspector Comment						
FS_ID:62896 DS_ID:16426 EP_NO: 9490 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Bent stem has been repaired, pipe inlet and outfall cleared from sediment. (O.Yakimov - DWR UCIP) 05/03/2017 Sediment build up in WS pipe end. WS slide gate stem bent but it does not affect its operation. (A. Freitag - DWR Sutter Yard)10/24/2016 WS slide gate stem is still bent. (A. Freitag - DWR Sutter Yard)04/25/2016 WS slide gate is slightly bent. Rest of crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard) 04/20/2015 LS inlet still has some minor sediment build up. Needs to be cleaned. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up.10/18/2012 LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. (36-inch pipe [HLM 3.78] authorized under Automatic Board Order (ABO) issued as Permit No. 9490, 1955 - Charles & Virginia Yerxa). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.39). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 177+67), listed as 36-inch pipe]. FS Date: 2/23/2021 2:05:19 PM						

Photo 1 of 3 : UCIP_SP_2022_62896_91330.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.33	Rating **	M	Issue No.	24 (cont)
LM End	3.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.250843 °	39.250843 °	
			-122.007992 °	-122.007992 °	
DWR ID	16426				

Photo 2 of 3 : UCIP_SP_2022_62896_91331.jpg



Water-Side: CMP riser on levee slope

LM Start	3.33	Rating **	M	Issue No.	24 (cont)
LM End	3.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62896_91332.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.68	Rating **	U	Issue No.	25
LM End	3.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID	16436				

Comment Code

Inspector Comment

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

Photo 1 of 3 : UCIP_SP_2022_62897_91349.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.68	Rating **	U	Issue No.	25 (cont)
LM End	3.68	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.255803 °	39.255803 °	
			-122.009683 °	-122.009683 °	
DWR ID	16436				

Photo 2 of 3 : UCIP_SP_2022_62897_91346.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.68	Rating **	U	Issue No.	25 (cont)
LM End	3.68	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62897_91345.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.69	Rating **	M	Issue No.	27
LM End	3.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255936 °	39.255936 °
				-122.009787 °	-122.009787 °
DWR ID	16424				
Comment Code					
Inspector Comment					
FS_ID:62898 DS_ID:16424 EP_NO: 9490 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing appears abandoned. Abandoned pump located inside of concrete distribution box at landside levee toe. Concrete box open at ground level creates fall hazard. Pipe not found on waterside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Abandoned- Needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. Needs a cover made for the LS distribution box. (A. Freitag - DWR Sutter Yard)04/25/2016 ABANDONED crossing and should be abandoned properly. Concrete distribution box on LS is opened on top and could pose a safety hazard with falling. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard) 06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues logged. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, approximately 12-15 feet below the crown. Concrete distribution box with pump system located on the landside (LS). Slide gate on the waterside (WS) slope--removed. 18-inch pipe visible on the LS inside 10-foot by 16-foot concrete box. Pipe crossing levee at angle. (36-inch pipe [HLM 3.78] authorized under Automatic Board Order (ABO) issued as Permit No. 9490, 1974 - Charles and Virginia Yerxa). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.78), referenced as abandoned 36-inch CMP-inch pipe.USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 197+19), listed as 36-inch pipe]. FS Date: 2/23/2021 2:11:35 PM					

Photo 1 of 3 : UCIP_SP_2022_62898_91352.jpg



Top of Levee: View of levee crown looking towards landside

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.69	Rating **	M	Issue No.	27 (cont)
LM End	3.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255936 °	39.255936 °
				-122.009787 °	-122.009787 °
DWR ID	16424				

Photo 2 of 3 : UCIP_SP_2022_62898_91353.jpg



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

LM Start	3.69	Rating **	M	Issue No.	27 (cont)
LM End	3.69	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62898_91351.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.72	Rating **	M	Issue No.	30	
LM End	3.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.256246 °	39.256246 °	
				-122.009974 °	-122.009974 °	
DWR ID	17659					
Comment Code						
Inspector Comment						
FS_ID:62900 DS_ID:17659 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. Updated coordinates of crossing to match location to O&M (STA 198+00). (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard) 06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 10/19/2012 USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee at an unknown depth below the crown. Automatic drainage gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 198+00), listed as 18-inch pipe]. FS Date: 2/23/2021 2:19:54 PM						

Photo 1 of 3 : UCIP_SP_2022_62900_91370.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.72	Rating **	M	Issue No.	30 (cont)
LM End	3.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.256246 °	39.256246 °	
			-122.009974 °	-122.009974 °	
DWR ID	17659				

Photo 2 of 3 : UCIP_SP_2022_62900_91371.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.72	Rating **	M	Issue No.	30 (cont)
LM End	3.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62900_91372.jpg



Water-Side: View of levee slope looking from crown

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

Photo 1 of 1 : SP_2022_MA0001_297_102_20220307_00027.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.77	Rating **	M	Issue No.	31
LM End	3.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256203 °	39.256203 °
				-122.009940 °	-122.009940 °
DWR ID	16423				
Comment Code					
Inspector Comment					
FS_ID:62899 DS_ID:16423 EP_NO: 9489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Recommend clearing pipe outlet from debris. (O.Yakimov - DWR UCIP) 05/03/2017 Appears abandoned- if so needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Crossing appears abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Crossing appears abandoned and should be abandoned properly. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee at an unknown depth below the crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 6-foot concrete box on the WS berm. Additional 12-inch pipe inside concrete distribution box. (36-inch pipe [HLM 3.80] authorized under Automatic Board Order (ABO) issued as Permit No. 9489, 1974 - Mayfar Farms Inc). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.80). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 198+00), listed as 36-inch pipe]. FS Date: 2/23/2021 2:13:42 PM					

Photo 1 of 3 : UCIP_SP_2022_62899_91366.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.77	Rating **	M	Issue No.	31 (cont)
LM End	3.77	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.256203 °	39.256203 °	
			-122.009940 °	-122.009940 °	
DWR ID	16423				

Photo 2 of 3 : UCIP_SP_2022_62899_91367.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.77	Rating **	M	Issue No.	31 (cont)
LM End	3.77	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62899_91368.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.88	Rating **	M	Issue No.	50
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.257125 °	39.257125 °
				-122.012648 °	-122.012648 °
DWR ID	DWR_MA0001_01_f_2013_50				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.94	Rating **	C	Issue No.	65
LM End	3.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.257893 °	39.257893 °
				-122.013201 °	-122.013201 °
DWR ID	DWR_MA0001_01_s _ 2021_65				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.95	Rating **	U	Issue No.	32
LM End	3.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °
DWR ID	16422				
Comment Code					
Inspector Comment					
FS_ID:62902 DS_ID:16422 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Debris and sediment need to be cleared around screw gate on waterside slope for proper operation. Unauthorized encroachment recorded in Levee Log prior to 2011. (O.Yakimov - DWR UCIP) 05/03/2017 Appears abandoned- needs to be done so properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard) 04/20/2015 Debrs is still blocking gate. Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris.10/19/2012 WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, unknown depth below the crown. Walkway to slide gate on the waterside (WS) end. Walkway has been removed. Flap gate in concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992 (HLM 4.05)]. FS Date: 2/23/2021 2:23:36 PM					

Photo 1 of 3 : UCIP_SP_2022_62902_91393.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	3.95	Rating **	U	Issue No.	32 (cont)
LM End	3.95	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.258073 °	39.258073 °	
			-122.013165 °	-122.013165 °	
DWR ID	16422				

Photo 2 of 3 : UCIP_SP_2022_62902_91394.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.95	Rating **	U	Issue No.	32 (cont)
LM End	3.95	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62902_91391.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.09	Rating **	M	Issue No.	93
LM End	4.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.260107 °	39.266174 °
				-122.012797 °	-122.010336 °
DWR ID	DWR_MA0001_01_s_2022_93				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	4.65	Rating **	M	Issue No.	33
LM End	4.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.266435 °	39.266435 °
				-122.010943 °	-122.010943 °
DWR ID	16421				
Comment Code					
Inspector Comment					
FS_ID:62905 DS_ID:16421 EP_NO: 9475 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing appears abandoned. Pipe not found on landside. Screw gate in CMP riser on waterside is in closed position. Abandoned structure on landside appears to be remainings of old pumphouse. Recommend owner to contact CVFPB to abandon or remove pipe from levee. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Abandoned- only WS standpipe visible. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. Only WS standpipe is visible. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 16.1 feet below the crown. Slide gate inside corrugated metal pipe (CMP) riser located on the waterside (WS) end. Line buried on the WS and landside (LS). (30-inch pipe [HLM 4.76] authorized under Automatic Board Order (ABO) issued as Permit No. 9475, 1974 - Mattie B. Zumwalt Co). [Additional Reference(s): DWR Levee Log, 1992 (HLM 4.76). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 247+86), listed as 30-inch pipe]. FS Date: 2/23/2021 2:54:56 PM					

Photo 1 of 3 : UCIP_SP_2022_62905_91405.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	4.65	Rating **	M	Issue No.	33 (cont)
LM End	4.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.266435 °	39.266435 °
				-122.010943 °	-122.010943 °
DWR ID	16421				

Photo 2 of 3 : UCIP_SP_2022_62905_91406.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.65	Rating **	M	Issue No.	33 (cont)
LM End	4.65	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62905_91407.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.81	Rating **	M	Issue No.	94
LM End	7.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.266025 °	39.294028 °
				-122.013364 °	-122.021448 °
DWR ID	DWR_MA0001_01_s_2022_94				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	4.97	Rating **	U	Issue No.	34
LM End	4.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.264924 °	39.264924 °
				-122.015887 °	-122.015887 °
DWR ID	16420				
Comment Code					
Inspector Comment					
FS_ID:62908 DS_ID:16420 EP_NO: 4903 Repair Type: Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Pipe is 18-20 feet below levee crown open on waterside poses potential flood threat to landside. Pipe is capped at landside toe. Crossing appears abandoned. (O.Yakimov - DWR UCIP) 05/03/2017 Appears abandoned- if so needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 appears to be abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Appears to be an abandoned crossing. (A. Freitag - DWR Sutter Yard)04/20/2015 Suspect that pump on LS is a well pump and has nothing to do with this crossing. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Unable to locate siphon breaker, pump on LS; unable to tell if pump system is part of appurtenances. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0233 for utility pole and 8 inch steel riser located on landward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 12-inch asphalt coated steel irrigation pipe through the levee, approximately 18-20 feet below the crown. Siphon breaker in 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder--not found. 3-inch electrical conduit through the levee--not found. Utility pole visible on the LS. Well station visible on the LS. No appurtenances visible on the waterside (WS). (12-inch irrigation pipe and electrical conduit authorized under Permit No. 4903, 1965 - Mattie B. Zumwalt Company). (Irrigation pipe and portable pump authorized under Permit No. 4903-A, 1965 - Mattie B. Zumwalt Company). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.08)]. FS Date: 2/23/2021 2:58:13 PM					

Photo 1 of 3 : UCIP_SP_2022_62908_91425.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	4.97	Rating **	U	Issue No.	34 (cont)
LM End	4.97	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.264924 °	39.264924 °	
			-122.015887 °	-122.015887 °	
DWR ID	16420				

Photo 2 of 3 : UCIP_SP_2022_62908_91426.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.97	Rating **	U	Issue No.	34 (cont)
LM End	4.97	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62908_91428.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.97	Rating **	M	Issue No.	113
LM End	4.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.264922 °	39.264922 °
				-122.015955 °	-122.015955 °
DWR ID	DWR_MA0001_01_f _ 2016_113				
Comment Code					
EQ : Equipment					
Inspector Comment					
Move the equipment at least 10' away from the levee toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	35	
LM End	5.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.272069 °	39.272069 °	
				-122.023240 °	-122.023240 °	
DWR ID	16419					
Comment Code						
Inspector Comment						
FS_ID:62909 DS_ID:16419 EP_NO: 9476 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Sediment inside the pipe and at headwall on landside needs clearing. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Culvert has sediment build up in it- needs to be cleaned out. (A. Freitag - DWR Sutter Yard)10/24/2016 LS outlets becoming over grown with vegetation in the ditch. (A. Freitag - DWR Sutter Yard)04/25/2016 WS entry still blocked and wingwalls still cracked. (A. Freitag - DWR Sutter Yard)04/20/2015 WS entry still blocked and wingwalls still cracked. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal irrigation pipe and concrete box culvert through the levee at an unknown depth below the crown. Concrete headwall visible on the landside (LS) toe. (36-inch pipe [HLM 5.85] authorized under Automatic Board Order (ABO) issued as Permit No. 9476, 1974 - Howard and Nadine Ohliger). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.85), listed as 15 feet long 36-inch pipe and concrete box culvert through the levee]. FS Date: 2/23/2021 3:24:08 PM						

Photo 1 of 3 : UCIP_SP_2022_62909_91436.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	35 (cont)
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID	16419				

Photo 2 of 3 : UCIP_SP_2022_62909_91431.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.72	Rating **	M	Issue No.	35 (cont)
LM End	5.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62909_91437.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

Photo 1 of 3 : UCIP_SP_2022_62910_91439.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	36 (cont)
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.272069 °	39.272069 °	
			-122.023240 °	-122.023240 °	
DWR ID	17569				

Photo 2 of 3 : UCIP_SP_2022_62910_91440.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.72	Rating **	M	Issue No.	36 (cont)
LM End	5.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62910_91441.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	37	
LM End	5.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.272400 °	39.272400 °	
				-122.023248 °	-122.023248 °	
DWR ID	17658					
Comment Code						
Inspector Comment						
FS_ID:62911						
DS_ID:17658						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)						
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)						
10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)						
04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)						
04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)						
06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)						
12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)						
07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 303+70), listed as 36-inch pipe].						
FS Date: 2/23/2021 3:28:33 PM						

LM Start	5.75	Rating **	M	Issue No.	37 (cont)
LM End	5.75	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62911_91445.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62911_91446.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	37 (cont)
LM End	5.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272400 °	39.272400 °
				-122.023248 °	-122.023248 °
DWR ID	17658				

Photo 3 of 3 : UCIP_SP_2022_62911_91447.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.77	Rating **	U	Issue No.	38
LM End	5.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272829 °	39.272829 °
				-122.023282 °	-122.023282 °
DWR ID	16418				
Comment Code					
Inspector Comment					
FS_ID:62912 DS_ID:16418 EP_NO: 6263 Repair Type: Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. Pipe exposed in a trench on waterside starting 20 feet from waterside levee toe going toward pumps. Pumps are dismantled, discharge pipe cut open under pumping platform. Unable to find a permit for modification. (O.Yakimov - DWR UCIP) 05/03/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/25/2016 Pressure gauge and valve were added to pipe near the siphon breaker on LS shoulder. (A. Freitag - DWR Sutter Yard)04/20/2015 Modifications are being made to pipe near the LS shoulder. Not sure what all exactly is being done. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Debris cleared from in front of LS standpipe. (A. Freitag - DWR Sutter Yard)10/19/2012 Remove debris from landward side see photo 2. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0249 however, unable to determine why crossing was marked "U". (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 18-inch asphalt coated steel irrigation pipe through the levee, 2 feet below the crown. Siphon breaker on the landside (LS) shoulder. Corrugated metal pipe (CMP) riser located on the LS connects with concrete V-ditch. Dual slant pumps and gate valves on the bank approximately 215 feet from waterside (WS) toe. Pumps feed into single 18-inch steel pipe. 2-inch electrical conduit buried in the same trench as the irrigation pipe. (18-inch pipe authorized under Permit No. 6263, 1968 - Charles W. Tuttle). [Additional Reference(s): DWR Levee Log, 1992 (HLM 5.90)]. FS Date: 2/23/2021 3:41:43 PM					

Photo 1 of 3 : UCIP_SP_2022_62912_91448.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	5.77	Rating **	U	Issue No.	38 (cont)
LM End	5.77	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.272829 °	39.272829 °	
			-122.023282 °	-122.023282 °	
DWR ID	16418				

Photo 2 of 3 : UCIP_SP_2022_62912_91450.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.77	Rating **	U	Issue No.	38 (cont)
LM End	5.77	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62912_91449.jpg



Land-Side: View of levee slope looking from crown

LM Start	6.13	Rating **	C	Issue No.	107
LM End	6.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.277829 °	39.277829 °
				-122.022853 °	-122.022853 °
DWR ID	DWR_MA0001_01_f_2021_107				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.19	Rating **	M	Issue No.	70
LM End	6.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.278773 °	39.278831 °
				-122.022639 °	-122.022617 °
DWR ID	DWR_MA0001_01_f _ 2020_70				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.24	Rating **	U	Issue No.	39
LM End	6.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID	16446				

Comment Code

Inspector Comment

FS_ID:62913
DS_ID:16446
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Urgent. 4-inch PVC sleeved through 36-inch steel pipe through levee. Screw gate can't be closed due to the PVC pipe. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
10/01/2018 PVC pipe underneath the slide gate that is located inside CMP riser on WS shoulder was restored and blocks gate from closing. Sediment built up at the bottom of CMP riser. PVC pipe needs to be removed in order to properly close slide gate. (O.Yakimov - DWR UCIP)05/03/2017 Pipe leaked during the Jan/Feb 2017 high water event. Sand bags were placed at both the LS and WS outlets as well as down inside the standpipe to slow the water flow. The 5inch pvc was cut away but the slide gate could still not close fully. Suspect sediment build up was in the bottom of the stand pipe was blocking the gate. Inside of pipe should be cleaned out. (A. Freitag - DWR Sutter Yard)10/24/2016 Pvc was back running through the crossing and blocking the screwgate. photo attached. (A. Freitag - DWR Sutter Yard)09/28/2016 Crossing has been downgraded from Urgent to Non-Urgent 5-inch PVC pipe was cut to allow the slide gate to close. Need to contact owner to remove unauthorized pipe to comply with Title 23. (O. Magana - DWR UCIP)04/25/2016 5 inch pvc pipe running through crossing has been cut out to allow the slide gate to close. (A. Freitag - DWR Sutter Yard)04/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. There is no way to stop water from flowing though pipe during high water times. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch steel (not corrugated metal, as referenced in O&M manual) drainage pipe through the levee, approximately 14-16 feet below levee crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe also visible on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992 (HLM 6.38). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 331+31), listed as 36-inch pipe].
FS Date: 2/23/2021 3:47:40 PM

Photo 1 of 3 : UCIP_SP_2022_62913_91460.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.24	Rating **	U	Issue No.	39 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2022_62913_91461.jpg



Land-Side: View of levee slope looking from crown

LM Start	6.24	Rating **	U	Issue No.	39 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62913_91462.jpg



Water-Side: View of levee slope looking from crown

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

Photo 1 of 1 : SP_2022_MA0001_297_115_20220417_00193.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	40	
LM End	6.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.281721 °	39.281721 °	
				-122.021894 °	-122.021894 °	
DWR ID	16425					
Comment Code						
Inspector Comment						
FS_ID:62914 DS_ID:16425 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing appears abandoned. Headwall and pipe on waterside not found. Slide gate removed form concrete riser on landside shoulder. Riser is covered with steel plate bolted to concrete. Soil inside pipe crossing blocking more than 50% of cross section. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Abandoned- needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/19/2012 Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible). (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 72-inch corrugated metal (precast concrete) drainage pipe through the levee at an unknown depth below the crown. Structure is blocked on the waterside (WS) end with 3-foot concrete plug installed in 1980. Sliding metal gate (referenced in O&M manual) in concrete well on the landside (LS) shoulder. Concrete headwall at both toes. WS headwall not found. [Additional Reference(s): DWR Levee Log, 1992 (HLM 6.55), listed as abandoned 72-inch drain pipe. USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 339+74), listed as 72-inch pipe]. FS Date: 2/23/2021 3:49:23 PM						

Photo 1 of 3 : UCIP_SP_2022_62914_70181.jpg



View of WS no structure features visable.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	40 (cont)
LM End	6.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.281721 °	39.281721 °	
			-122.021894 °	-122.021894 °	
DWR ID	16425				

Photo 2 of 3 : UCIP_SP_2022_62914_70180.jpg



Overview of levee crown looking downstream at crossing.

LM Start	6.40	Rating **	M	Issue No.	40 (cont)
LM End	6.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2022_62914_70179.jpg



View of structure located in LS.

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

Photo 1 of 1 : SP_2022_MA0001_297_77_20220307_00019.jpg



View of the vehicle erosion along the landside slope. Fall 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.99	Rating **	U	Issue No.	41
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290147 °	39.290147 °	
			-122.021525 °	-122.021525 °	
DWR ID	16427				

Comment Code

Inspector Comment

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

Photo 1 of 3 : UCIP_SP_2022_62915_91471.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.99	Rating **	U	Issue No.	41 (cont)
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290147 °	39.290147 °	
			-122.021525 °	-122.021525 °	
DWR ID	16427				

Photo 2 of 3 : UCIP_SP_2022_62915_91472.jpg



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

LM Start	6.99	Rating **	U	Issue No.	41 (cont)
LM End	6.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62915_91473.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.99	Rating **	M	Issue No.	42
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290169 °	39.290169 °	
			-122.021532 °	-122.021532 °	
DWR ID	17570				

Comment Code

Inspector Comment

FS_ID:62916
DS_ID:17570
EP_NO: 9482
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Non-Urgent. Pipe outlet blocked with a pile of soil. Inlet to concrete culvert at landside toe is filled with soil blocking more than 50% of cross sectional area. Crossing appears abandoned. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/03/2017 WS slide gate was unburied and crossing was being used for irrigaton during site visit. (A. Freitag - DWR Sutter Yard)10/24/2016 WS slide gate was unbruied and opened. (A. Freitag - DWR Sutter Yard)04/25/2016 WS slide gate was unburied and opened allowing water to flow through to LS fields. (A. Freitag - DWR Sutter Yard)04/20/2015 Structure is operational. WS slide gate was unburied allowing water to irrigate the fields. It gets reburied during highwater season. (A. Freitag - DWR Sutter Yard) 06/23/2014 Same as last inspection. Soli dug out again and water flowing through crossing.12/17/2013 WS screw gate was closed and buried by soil again. (A. Freitag - DWR Sutter Yard)07/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment. (A. Freitag - DWR Sutter Yard)10/19/2012 Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 2: 36-inch reinforced concrete irrigation pipe through the levee, approximately 18 feet below the crown. Wooden slide gates on the waterside (WS) end. Concrete structure located on both WS and landside (LS). Inspector noticed that during 2015-2016 that this crossing is used in the spring and summer, and buried in the winter. (36-inch pipe [HLM 7.15] authorized under Automatic Board Order (ABO) issued as Permit No. 9482, 1974 - Elizabeth M. Farnsworth). [Additional Reference(s): DWR Levee Log, 1992 (HLM 7.15). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 370+90), listed as 4'-9" x 9'-6" concrete culvert and two hand operated slide gates].
FS Date: 2/23/2021 8:48:09 AM

Photo 1 of 3 : UCIP_SP_2022_62916_91475.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	6.99	Rating **	M	Issue No.	42 (cont)
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290169 °	39.290169 °	
			-122.021532 °	-122.021532 °	
DWR ID	17570				

Photo 2 of 3 : UCIP_SP_2022_62916_91476.jpg



Water-Side: View of levee slope looking from crown

LM Start	6.99	Rating **	M	Issue No.	42 (cont)
LM End	6.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62916_91477.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	7.27	Rating **	U	Issue No.	43
LM End	7.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.294074 °	39.294074 °
				-122.021435 °	-122.021435 °
DWR ID	16456				

Comment Code

Inspector Comment

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

Photo 1 of 3 : UCIP_SP_2022_62917_91485.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	7.27	Rating **	U	Issue No.	43 (cont)
LM End	7.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.294074 °	39.294074 °	
			-122.021435 °	-122.021435 °	
DWR ID	16456				

Photo 2 of 3 : UCIP_SP_2022_62917_91482.jpg



Land-Side: View of levee slope looking from crown

LM Start	7.27	Rating **	U	Issue No.	43 (cont)
LM End	7.27	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62917_91486.jpg



Water-Side: Concrete vault is open at ground level needs a cover or guard rails. View of levee slope

LM Start	7.63	Rating **	M	Issue No.	95
LM End	16.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297281 °	39.408888 °
				-122.023901 °	-122.009377 °
DWR ID	DWR_MA0001_01_s_2022_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	8.92	Rating **	M	Issue No.	44
LM End	8.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID	16454				
Comment Code					
Inspector Comment					
FS_ID:62919 DS_ID:16454 EP_NO: 9466 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record remains Non-Urgent. Crossing appears abandoned. Abandoned pump at the bottom of vault in pumphouse on landside shoulder. Pipe not found on waterside. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Abandoned- needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Crossing appears to be abandoned. Power lines cut from the panels inside the concrete structure on LS. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 No access to inspect slide gate on LS. Roof of pumping house deteriorating and debris scattered on LS. WS crossing not found. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_345 no issues recorded. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, approximately 8-10 feet below the crown. Slide gate in concrete riser on the landside (LS) slope. Pump house encroaches into the LS slope. Two service poles on the LS shoulder. No visible appurtenances found on the waterside (WS) toe. Power source cut on the LS. (24-inch pipe [HLM 9.12] authorized under Automatic Board Order (ABO) issued as Permit No. 9466, 1974 - Roman Catholic Bishop of Sacramento). [Additional Reference(s): DWR Levee Log, 1992 (HLM 9.12)]. FS Date: 2/24/2021 10:39:15 AM					

Photo 1 of 3 : UCIP_SP_2022_62919_91495.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	8.92	Rating **	M	Issue No.	44 (cont)
LM End	8.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID	16454				

Photo 2 of 3 : UCIP_SP_2022_62919_91496.jpg



Water-Side: View of levee slope looking from crown

LM Start	8.92	Rating **	M	Issue No.	44 (cont)
LM End	8.92	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62919_91497.jpg



Land-Side: View of levee slope looking from crown. Abandoned pumphouse on levee shoulder

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.09	Rating **	M	Issue No.	45	
LM End	10.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.328121 °	39.328121 °	
				-122.029262 °	-122.029262 °	
DWR ID	17656					
Comment Code						
Inspector Comment						
FS_ID:62920						
DS_ID:17656						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/06/2021 After review of O&M Manual discovered that this DSID is a duplicate of DSID 16453. (O.Yakimov - DWR UCIP)						
02/24/2021 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)						
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter						
Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter						
Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter						
Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter						
Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter						
Yard)07/18/2013 Same as last inspection. Unable to locate. (A.						
Freitag - DWR Sutter Yard)						
FIELD_STRUCT_DESC: *DUPLICATE* of DSID 16453. 24-inch steel						
drainage pipe through the levee at an unknown depth below the crown.						
Automatic drainage gate on the outlet end of the pipe. (USACE, 1955).						
[Additional Reference(s): USACE Sacramento O&M Manual 137,						
August 1955, (Station 538+42)].						
FS Date: 2/24/2021 10:41:02 AM						

LM Start	10.09	Rating **	M	Issue No.	45 (cont)
LM End	10.09	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62920_91499.jpg



Enter photo 1 description or comment here.

Photo 2 of 3 : UCIP_SP_2022_62920_91500.jpg



Enter photo 2 description or comment here.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.09	Rating **	M	Issue No.	45 (cont)	
LM End	10.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °	
				-122.029262 °	-122.029262 °	
DWR ID	17656					

Photo 3 of 3 : UCIP_SP_2022_62920_91501.jpg



Enter photo 3 description or comment here.

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

Photo 1 of 1 : SP_2022_MA0001_297_18_20220307_00009.jpg



View of the erosion along the waterside of the levee.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	48
LM End	10.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329749 °	39.329749 °
				-122.029602 °	-122.029602 °
DWR ID	16453				
Comment Code					
Inspector Comment					
FS_ID:62922 DS_ID:16453 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record updated from No Action Needed to Non-Urgent. New pump and new pipe have been installed on waterside berm. Unable to find a permit for modification. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/24/2016 Ws erosion still present. Looks to be just from rain run off. (A. Freitag - DWR Sutter Yard)04/25/2016 Erosion still present by the WS pipes. (A. Freitag - DWR Sutter Yard)04/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Landward side has been completely altered. Need to find permit for new work. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 1 of 3: 24-inch steel pipe through the levee, approximately 15-20 feet below the crown. Gate valve on the waterside (WS) end. Slant pump on pile structure - one of two located upstream. Pipe covered with soil on both levee berms. Concrete distribution box on landside off levee toe. (Junction boxes, HDPE pipe and appurtenances on landside authorized under Permit No. 19093, 2018 - Colusa Indian Community Council). (Replacement of pumps, pumping platform, adding fish screen authorized under Permit No. 19328, 2019 - Colusa Indian Community Council. New pipes on waterside berm connected to existing pipes through levee). [Additional Reference(s): DWR Levee Log, 1992 (HLM 10.43). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 538+42), listed as 24-inch pipe]. FS Date: 2/24/2021 11:06:52 AM					

Photo 1 of 3 : UCIP_SP_2022_62922_91509.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	48 (cont)
LM End	10.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329749 °	39.329749 °
				-122.029602 °	-122.029602 °
DWR ID	16453				

Photo 2 of 3 : UCIP_SP_2022_62922_91508.jpg



Land-Side: View of levee slope and distribution box in the field

LM Start	10.21	Rating **	M	Issue No.	48 (cont)
LM End	10.21	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62922_91505.jpg



Water-Side: Wide berm on waterside. Slant pump at riverbank

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	49	
LM End	10.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.329776 °	39.329776 °	
				-122.029575 °	-122.029575 °	
DWR ID	17655					
Comment Code						
Inspector Comment						
FS_ID:62921 DS_ID:17655 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/06/2021 After review of O&M Manual updated coordinated of potential crossing to match O&M (STA 538+42). Recommend conducting geophysical survey at updated location. (O.Yakimov - DWR UCIP) 02/24/2021 Record remains Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee at (39.32812122.09260). Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Slide gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 538+42), listed as 36-inch pipe]. FS Date: 2/24/2021 10:43:23 AM						

Photo 1 of 3 : UCIP_SP_2022_62921_91502.jpg



Enter photo 1 description or comment here.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	49 (cont)
LM End	10.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329776 °	39.329776 °
				-122.029575 °	-122.029575 °
DWR ID	17655				

Photo 2 of 3 : UCIP_SP_2022_62921_91503.jpg



Enter photo 2 description or comment here.

LM Start	10.21	Rating **	M	Issue No.	49 (cont)
LM End	10.21	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62921_91504.jpg



Enter photo 3 description or comment here.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.32	Rating **	M	Issue No.	51	
LM End	10.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.331275 °	39.331275 °	
				-122.029952 °	-122.029952 °	
DWR ID	19411					
Comment Code						
Inspector Comment						
FS_ID:62925 DS_ID:19411 EP_NO: 2639 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record is Non-Urgent. Crossing not found. Unable to locate a permit and confirm proper pipe abandonment. No inspection records were available to determine status of line through the levee. (O.Yakimov - DWR UCIP) 05/03/2017 abandoned (A. Freitag - DWR Sutter Yard)04/25/2016 ABANDONED GASLINE (A. Freitag - DWR Sutter Yard)04/20/2015 retired gasline. capped and grouted. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/01/2012 According to PG&E, their records indicate this pipeline was retired in 1968 and the pipe segments in the levee were cut, capped and filled with grout. Markers were removed from retired crossing. (O. Magana - DWR UCIP) 10/30/2012 No markers visible. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 6.625-inch coated steel gas pipeline from Compton Landing Gas field to Main No. 172 through the levee, 3 feet below the crown. Levee and berm slopes were cobbles rip-rapped ten feet on each side of cut. PG&E reference number L-167-4-4 at Packer Road was installed in 1957. Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. PG&E records indicate this pipeline was retired in 1968 and the pipe segments in the levee were cut, capped and filled with grout. Markers were removed from retired crossing. Utility crossing coordinates are approximate. (6.625-inch steel gas line authorized under Permit No. 2639, 1957 - Pacific Gas and Electric Company [PG&E]) FS Date: 2/24/2021 11:19:27 AM						

Photo 1 of 3 : UCIP_SP_2022_62925_91522.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.32	Rating **	M	Issue No.	51 (cont)
LM End	10.32	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.331275 °	39.331275 °	
			-122.029952 °	-122.029952 °	
DWR ID	19411				

Photo 2 of 3 : UCIP_SP_2022_62925_91523.jpg



Water-Side: View of levee slope looking from crown

LM Start	10.32	Rating **	M	Issue No.	51 (cont)
LM End	10.32	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62925_91524.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

Comment Code

Inspector Comment

2018 Site ID: SAC 157.7 R

Status: Eroding

2018 Field Notes: Bank is heavily vegetated.

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

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

Photo 1 of 2 : SP_2022_MA0001_297_6_20220307_00003.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2022_MA0001_297_6_20220307_00004.jpg



USACE 2018 Erosion Photo #2

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.33	Rating **	M	Issue No.	108
LM End	10.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.331476 °	39.331476 °
				-122.030028 °	-122.030028 °
DWR ID	DWR_MA0001_01_f _ 2021_108				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	10.79	Rating **	M	Issue No.	75
LM End	10.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.337739 °	39.337739 °
				-122.032536 °	-122.032536 °
DWR ID	DWR_MA0001_01_s _ 2020_75				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

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

**** Rating**
 A : Acceptable 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.95	Rating **	M	Issue No.	52	
LM End	10.95	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.340015 °	39.340015 °	
				-122.032554 °	-122.032554 °	
DWR ID	16450					
Comment Code						
Inspector Comment						
FS_ID:62927 DS_ID:16450 EP_NO: 9465 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 5/3/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/24/2016 Appears to be in good condition.(DWR Sutter Yard- AFreitag)4/25/2016 Crossing appears to be in good condition.4/20/2015 Same as last inspection. no issues.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/30/2012 This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0389 no issues recorded. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, approximately 2-3 feet below the crown. Flap gate on the landside (LS) end. (Automatic Board Order (ABO) issued as Permit No. 9465, 1974 - Merle S. Thompson). [Additional Reference(s): DWR Levee Log, 1992 (HLM 11.19). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 578+60), listed as 24-inch pipe]. FS Date: 2/24/2021 11:47:02 AM						

LM Start	10.95	Rating **	M	Issue No.	52 (cont)
LM End	10.95	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62927_91536.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62927_91537.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	10.95	Rating **	M	Issue No.	52 (cont)
LM End	10.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340015 °	39.340015 °
				-122.032554 °	-122.032554 °
DWR ID	16450				

Photo 3 of 3 : UCIP_SP_2022_62927_91531.jpg



Water-Side: Discharge pipe entering ground under slant pump

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

No Photos

* 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.19	Rating **	M	Issue No.	53	
LM End	11.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.343246 °	39.343246 °	
				-122.032119 °	-122.032119 °	
DWR ID	16480					
Comment Code						
Inspector Comment						
FS_ID:62935 DS_ID:16480 EP_NO: 11982 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/24/2021 Record is Non-Urgent. No permit has been found authorizing original 24-inch pipe through the levee. Crossing not found. Concrete pad located 5 feet from waterside levee toe may indicate former pump location. 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. (O.Yakimov - DWR UCIP) 5/3/2017 Unable to locate. (DWR Sutter Yard- A/Freitag)10/24/2016 Unable to locate.(DWR Sutter Yard- A/Freitag)4/25/2016 Unable to locate.4/21/2015 Unable to locate.6/23/2014 Unable to locate.12/17/2013 Unable to locate.7/18/2013 Unable to locate. FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe, sleeved through existing 24-inch pipe, through the levee at an unknown depth below the crown. Void between pipes pressure grouted. There is a closure valve in a 4-foot corrugated metal pipe (CMP) housing. (Placing 16-inch pipe inside existing 24-inch pipe authorized under Permit No. 11982, 1977 - Charles W. Tuttle, Jr). FS Date: 2/24/2021 2:31:12 PM						

LM Start	11.19	Rating **	M	Issue No.	53 (cont)
LM End	11.19	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62935_91596.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62935_91597.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.19	Rating **	M	Issue No.	53 (cont)
LM End	11.19	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.343246 °	39.343246 °	
			-122.032119 °	-122.032119 °	
DWR ID	16480				

Photo 3 of 3 : UCIP_SP_2022_62935_91598.jpg



Land-Side: View of levee slope looking from crown

LM Start	11.20	Rating **	M	Issue No.	54
LM End	11.20	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.343385 °	39.343385 °	
			-122.032085 °	-122.032085 °	
DWR ID	16437				

Comment Code

Inspector Comment

FS_ID:62939
DS_ID:16437
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/24/2021 Record is Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. (O.Yakimov - DWR UCIP)
5/3/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned.(DWR Sutter Yard- AFreitag)4/25/2016 Unable to locate.4/21/2015 Unable to locate.6/23/2014 Unable to locate.12/17/2013 Unable to locate.7/22/2013 Same as last inspection. Unable to locate.
FIELD_STRUCT_DESC: 18-inch steel pipe (crossing type unknown) through the levee, 23.5 feet below the crown. Levee logs indicate pipe was plugged on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992 (HLM 11.44), listed as abandoned 18-inch steel pipe].
FS Date: 2/24/2021 3:01:29 PM

Photo 1 of 3 : UCIP_SP_2022_62939_91623.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.20	Rating **	M	Issue No.	54 (cont)
LM End	11.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343385 °	39.343385 °
				-122.032085 °	-122.032085 °
DWR ID	16437				

Photo 2 of 3 : UCIP_SP_2022_62939_91624.jpg



Water-Side: View of levee slope looking from crown

LM Start	11.20	Rating **	M	Issue No.	54 (cont)
LM End	11.20	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62939_91625.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.20	Rating **	M	Issue No.	55
LM End	11.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343386 °	39.343386 °
				-122.032084 °	-122.032084 °
DWR ID	16447				

Comment Code

Inspector Comment

FS_ID:62940
DS_ID:16447
EP_NO: 11982
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/24/2021 Record is Non-Urgent. No permit found authorizing original 30-inch pipe through the levee. Encroachment recorded in Levee Log prior to 2011. 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. (O.Yakimov - DWR UCIP)
5/3/2017 Unable to locate. (DWR Sutter Yard- A Freitag) 10/24/2016 Unable to locate. (DWR Sutter Yard- A Freitag) 4/25/2016 Unable to locate. 4/21/2015 Unable to locate. 7/22/2013 Same as last inspection. Unable to locate. 12/17/2013 Unable to locate 6/23/2014 Unable to locate.
FIELD_STRUCT_DESC: 16-inch steel drainage pipe sleeved through a 24-inch pipe, 24-inch pipe sleeved through 30-inch pipe, through the levee 23.5 feet below the crown. Control valve in corrugated metal pipe (CMP) riser on the waterside (WS) berm. (Placing 24-inch pipe through existing 30-inch pipe authorized under Permit No. 8657, 1973 - Charles W. Tuttle, Jr.) (Placing 16-inch pipe inside existing 24-inch pipe authorized under Permit No. 11982, 1977 - Charles W. Tuttle, Jr.) [Additional Reference(s): DWR Levee Log, 1992 (HLM 11.44), listed as 16-inch pipe sleeved through a 20-inch pipe].
FS Date: 2/24/2021 3:04:15 PM

LM Start	11.20	Rating **	M	Issue No.	55 (cont)
LM End	11.20	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62940_91626.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62940_91627.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.20	Rating **	M	Issue No.	55 (cont)
LM End	11.20	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.343386 °	39.343386 °	
			-122.032084 °	-122.032084 °	
DWR ID	16447				

Photo 3 of 3 : UCIP_SP_2022_62940_91628.jpg



Water-Side: View of levee slope looking from crown

LM Start	11.27	Rating **	M	Issue No.	56
LM End	11.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.344376 °	39.344376 °	
			-122.031792 °	-122.031792 °	
DWR ID	20582				

Comment Code

Inspector Comment

FS_ID:62942
 DS_ID:20582
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 02/24/2021 Record updated from No Action Needed to Non-Urgent. No primary permit has been found authorizing this pipe through the levee. Permit 16085 file not available, unable to confirm that pipe through levee was authorized. (O.Yakimov - DWR UCIP) 5/3/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 10/24/2016 Appears to be in good condition. (DWR Sutter Yard- A Freitag) 4/25/2016 Crossing appears to be in good condition. 4/21/2015 Same as last inspection. 6/23/2014 Same as last inspection. 12/17/2013 Same as last inspection. 7/22/2013 Same as last inspection. 10/30/2012 Need to determine encroachment permit associated with this crossing.
 FIELD_STRUCT_DESC: [Maxwell Irrigation District] 24-inch steel irrigation pipe through the levee at an unknown depth below the crown. Crossing is tied to existing Maxwell Irrigation District Pump Station located on the waterside (WS). Siphon breaker inside corrugated metal pipe (CMP) riser located on the landside (LS) shoulder. (Pumping plant authorized under Permit No. 16085, 1993 - Maxwell Irrigation District).
 FS Date: 2/24/2021 3:08:10 PM

Photo 1 of 3 : UCIP_SP_2022_62942_91634.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.27	Rating **	M	Issue No.	56 (cont)
LM End	11.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.344376 °	39.344376 °	
			-122.031792 °	-122.031792 °	
DWR ID	20582				

Photo 2 of 3 : UCIP_SP_2022_62942_91636.jpg



Land-Side: View of levee slope looking from crown. CMP riser with siphon breaker on levee shoulder

LM Start	11.27	Rating **	M	Issue No.	56 (cont)
LM End	11.27	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62942_91635.jpg



Water-Side: View of levee slope looking from crown. Pump station on the berm

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.27	Rating **	M	Issue No.	57	
LM End	11.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.344390 °	39.344390 °	
				-122.031787 °	-122.031787 °	
DWR ID	20583					
Comment Code						
Inspector Comment						
FS_ID:62943 DS_ID:20583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record updated from No Action Needed to Non-Urgent. No primary permit has been found authorizing this pipe through the levee. Permit 16085 file not available, unable to confirm that pipe through levee was authorized. (O.Yakimov - DWR UCIP) 5/3/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 10/24/2016 Appears to be in good condition.(DWR Sutter Yard- A Freitag) 4/25/2016 Crossing appears to be in good condition. 4/21/2015 Same as last inspection. Need to determine encroachment permit for this crossing. 7/22/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: [Maxwell Irrigation District] 24-inch steel irrigation pipe through the levee at an unknown depth below the crown. Crossing is tied to existing Maxwell Irrigation District Pump Station located on the waterside (WS). Siphon breaker inside corrugated metal pipe (CMP) riser located on the landside (LS) shoulder. (Pumping plant authorized under Permit No. 16085, 1993 - Maxwell Irrigation District). FS Date: 2/24/2021 3:11:10 PM						

LM Start	11.27	Rating **	M	Issue No.	57 (cont)
LM End	11.27	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62943_91637.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62943_91638.jpg



Water-Side: View of levee slope looking from crown. Pump station on the berm

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.27	Rating **	M	Issue No.	57 (cont)
LM End	11.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.344390 °	39.344390 °	
			-122.031787 °	-122.031787 °	
DWR ID	20583				

Photo 3 of 3 : UCIP_SP_2022_62943_91639.jpg



View of levee slope looking from crown. CMP riser with siphon breaker on levee shoulder

LM Start	11.27	Rating **	M	Issue No.	58
LM End	11.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.344400 °	39.344400 °	
			-122.031785 °	-122.031785 °	
DWR ID	20584				

Comment Code

Inspector Comment

FS_ID:62944
DS_ID:20584
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/24/2021 Record remains Non-Urgent. No primary permit has been found authorizing this pipe through the levee. Permit 16085 file not available, unable to confirm that pipe through levee was authorized. (O.Yakimov - DWR UCIP)
5/3/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/24/2016 appears to be in good condition.(DWR Sutter Yard- AFreitag)4/25/2016 Crossing appears to be in good condition.4/21/2015 Same as last inspection.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.10/30/2012 Need to determine encroachment permit for this crossing.
FIELD_STRUCT_DESC: [Maxwell Irrigation District] 24-inch steel irrigation pipe through the levee at an unknown depth below the crown. Crossing is tied to existing Maxwell Irrigation District Pump Station located on the waterside (WS). Siphon breaker inside corrugated metal pipe (CMP) riser located on the landside (LS) shoulder. (Pumping plant authorized under Permit No. 16085, 1993 - Maxwell Irrigation District).
FS Date: 2/24/2021 3:14:24 PM

Photo 1 of 3 : UCIP_SP_2022_62944_91643.jpg



Top of Levee: View of levee crown looking upstream

*** Location**

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

**** Rating**

A : Acceptable 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	11.27	Rating **	M	Issue No.	58 (cont)
LM End	11.27	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.344400 °	39.344400 °	
			-122.031785 °	-122.031785 °	
DWR ID	20584				

Photo 2 of 3 : UCIP_SP_2022_62944_91645.jpg



Land-Side: View of levee slope looking from crown. CMP riser with siphon breaker on levee shoulder

LM Start	11.27	Rating **	M	Issue No.	58 (cont)
LM End	11.27	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62944_91644.jpg



Water-Side: View of levee slope looking from crown. Pump station on the berm

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

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	12.06	Rating **	M	Issue No.	60
LM End	12.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.355516 °	39.355516 °
				-122.028700 °	-122.028700 °
DWR ID	16457				

Comment Code

Inspector Comment

FS_ID:62945
DS_ID:16457
EP_NO: 13449
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/24/2021 Record remains Non-Urgent. Crossing not found. Markers indicating alignment not found. No inspection records were available to determine status of line through the levee. According to previous inspection records crossing is abandoned without permit. (O.Yakimov - DWR UCIP)
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate any markers fro this crossing. (A. Freitag - DWR Sutter Yard)04/21/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/01/2012 According to PG&E, their records indicate that pipe segment has been retired per dwgs. PG&E is finding additional information to confirm if crossing has been retired and method of retirement. Waiting for clarification from PG&E Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. (O. Magana - DWR UCIP)10/30/2012 Buried line. No markers found; Need to contact PG&E to determine if crossing is still present. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 4-inch asphalt coated steel gas pipeline through the levee, 30-inches below the crown. PG&E crossing is known as Reference No. 167-6-13. (4-inch gas line authorized under Permit No. 13449, 1983 - Pacific Gas and Electric Company [PG&E]). Coordinates are approximate--crossing is abandoned according to PG&E records but without permit. [Additional Reference(s): DWR Levee Log, 1992 (HLM 12.32)].
FS Date: 2/24/2021 3:15:53 PM

Photo 1 of 3 : UCIP_SP_2022_62945_91647.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	12.06	Rating **	M	Issue No.	60 (cont)
LM End	12.06	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.355516 °	39.355516 °	
			-122.028700 °	-122.028700 °	
DWR ID	16457				

Photo 2 of 3 : UCIP_SP_2022_62945_91648.jpg



Water-Side: View of levee slope looking from crown

LM Start	12.06	Rating **	M	Issue No.	60 (cont)
LM End	12.06	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62945_91649.jpg



Land-Side: View of levee slope looking from crown

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

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	12.53	Rating **	M	Issue No.	61
LM End	12.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359810 °	39.359810 °
				-122.022247 °	-122.022247 °
DWR ID	17654				

Comment Code

Inspector Comment

FS_ID:62946
DS_ID:17654
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/24/2021 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
5/3/2017 Unable to locate. (DWR Sutter Yard- A Freitag) 10/24/2016 Unable to locate. (DWR Sutter Yard- A Freitag) 4/25/2016 Unable to locate. 4/21/2015 Unable to locate. 6/23/2014 Unable to locate. 12/17/2013 Unable to locate. 7/22/2013 Same as last inspection. Unable to locate.
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Slide gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 670+00), listed as 30-inch pipe].
FS Date: 2/24/2021 3:17:11 PM

LM Start	12.53	Rating **	M	Issue No.	61 (cont)
LM End	12.53	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62946_91650.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62946_91651.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	12.53	Rating **	M	Issue No.	61 (cont)
LM End	12.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359810 °	39.359810 °
				-122.022247 °	-122.022247 °
DWR ID	17654				

Photo 3 of 3 : UCIP_SP_2022_62946_91652.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	12.69	Rating **	U	Issue No.	66	
LM End	12.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.359843 °	39.359843 °	
				-122.019529 °	-122.019529 °	
DWR ID	16445					
Comment Code						
Inspector Comment						
FS_ID:62947 DS_ID:16445 EP_NO: 9462 Repair Type: Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record updated from Non-Urgent to Urgent. 6-inch steel pipe sleeved through CMP pipe. Screw gate on waterside slightly open and buried in soil. Soil and debris deposits inside CMP pipe. Crossing appears abandoned. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 5/3/2017 Appears abandoned- needs to be done properly.(DWR Sutter Yard- A.Freitag)10/24/2016 Appears abandoned. LS concrete canal is filled by pipe DSID 16444.4/25/2016 Appears to be an abandoned crossing. WS slide gate still buried and inoperable.4/21/2015 Same as last inspection. 6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.10/30/2012 Slide gate unoperable-blocked by sediment. LS-flap gate missing. 5-inch pipe goes through 24-inch crossing--unable to determine is authorized. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0435 for smaller pipe running inside existing crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, approximately 10 feet below the crown. Slide gate on both waterside (WS) and landside (LS). Gate missing on the LS. (24-inch pipe [HLM 12.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9462, 1974 - Thousand Acre Ranch). [Additional Reference(s): DWR Levee Log, 1992 (HLM 12.97)]. FS Date: 2/24/2021 3:19:42 PM						

Photo 1 of 3 : UCIP_SP_2022_62947_91654.jpg



Top of Levee: View of levee crown looking upstream

* 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	12.69	Rating **	U	Issue No.	66 (cont)	
LM End	12.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.359843 °	39.359843 °	
				-122.019529 °	-122.019529 °	
DWR ID	16445					

Photo 2 of 3 : UCIP_SP_2022_62947_91655.jpg



Land-Side: View of levee slope looking from crown

LM Start	12.69	Rating **	U	Issue No.	66 (cont)
LM End	12.69	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62947_91656.jpg



Water-Side: View of levee slope looking from crown. Screw gate on levee slope

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.10	Rating **	M	Issue No.	67
LM End	13.10	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.362556 °	39.362556 °	
			-122.014484 °	-122.014484 °	
DWR ID	16444				

Comment Code

Inspector Comment

FS_ID:62948
DS_ID:16444
EP_NO: 9462
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/24/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
5/3/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/24/2016 Appears to be in good condition. This pipe is used to fill the LS concrete canal.(DWR Sutter Yard-AFreitag)4/25/2016 Crossing appears to be in good condition.4/21/2015 Same as last inspection.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.10/30/2012 This crossing was listed in the USACE Periodic Inspections as ID#
USACE_CESPK_MA1C_2010_p_0444 no issues recorded.
FIELD_STRUCT_DESC: 14-inch (permit calls for an 18-inch pipe) steel irrigation pipe through the levee at an unknown depth below the crown. Pump and gate valve in pump house on the landside (LS). (18-inch pipe [HLM 13.39] authorized under Automatic Board Order (ABO) issued as Permit No. 9462, 1974 - Thousand Acre Ranch). [Additional Reference(s): DWR Levee Log, 1992 (HLM 13.39), listed as 18-inch steel pipe].
FS Date: 2/24/2021 3:28:11 PM

LM Start	13.10	Rating **	M	Issue No.	67 (cont)
LM End	13.10	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62948_91664.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62948_91665.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.10	Rating **	M	Issue No.	67 (cont)
LM End	13.10	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.362556 °	39.362556 °	
			-122.014484 °	-122.014484 °	
DWR ID	16444				

Photo 3 of 3 : UCIP_SP_2022_62948_91666.jpg



Land-Side: View of levee slope looking from crown. Pumphouse at levee toe

LM Start	13.10	Rating **	M	Issue No.	68
LM End	13.10	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.362605 °	39.362605 °	
			-122.014511 °	-122.014511 °	
DWR ID	20585				

Comment Code

Inspector Comment

FS_ID:62951
DS_ID:20585
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/24/2021 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)
05/03/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/24/2016 Appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/25/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/21/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: Buried fiber optics cable through the levee at unknown depth below the crown. Marker (orange) is located on the waterside (WS) shoulder. Second marker is located on the WS berm edge. Emergency contact number 1-866-940-7351. Unknown owner. No permit has been identified since crossing was field discovered in 2012.
FS Date: 2/24/2021 3:54:03 PM

Photo 1 of 3 : UCIP_SP_2022_62951_91680.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.10	Rating **	M	Issue No.	68 (cont)	
LM End	13.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.362605 °	39.362605 °	
				-122.014511 °	-122.014511 °	
DWR ID	20585					

Photo 2 of 3 : UCIP_SP_2022_62951_91679.jpg



Land-Side: View of levee crown looking from crown

LM Start	13.10	Rating **	M	Issue No.	68 (cont)
LM End	13.10	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62951_91681.jpg



Top of Levee: Marker on waterside shoulder

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.47	Rating **	U	Issue No.	69
LM End	13.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.367643 °	39.367643 °
				-122.015212 °	-122.015212 °
DWR ID	16443				

Comment Code

Inspector Comment

FS_ID:62952
DS_ID:16443
EP_NO: 9461
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 02/24/2021 Record remains Urgent. Backwash erosion extends up to 11 feet from concrete distribution box to landside levee toe. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
10/01/2018 Backwash erosion from ditch appears to be growing along LS toe. FSRP evaluation is recommended. (O.Yakimov - DWR UCIP)05/03/2017 Water was leaking from the LS distribution box during the Jan/Feb 2017 high water event. If this crossing is abandoned then it needs to be so properly. (A. Freitag - DWR Sutter Yard)11/01/2016 Erosion/cavity collapse visible on LS toe. Slide gate inside concrete riser located on the WS is in the open position. Need to contact owner to confirm status of crossing and to determine cause of erosion on LS (pipe or concrete box might be leaking). (O. Magana - DWR UCIP)10/24/2016 Appears abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Slide gate in WS box visually appears to be closed as its stem is all the way down. Still cannot look into box to confirm 100% though. (A. Freitag - DWR Sutter Yard)04/21/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Unable to close positive closure device due to missing ladder-sluce gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 21.5 feet below the crown. Slide gate in concrete box on the waterside (WS) end. Pump on the bank. Tall concrete box located on the landside (LS). (36-inch pipe [HLM 13.76] authorized under Automatic Board Order (ABO) issued as Permit No. 9461, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 1992 (HLM 13.76). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 710+82), listed as 36-inch pipe].
FS Date: 2/24/2021 3:58:05 PM

Photo 1 of 3 : UCIP_SP_2022_62952_91685.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.47	Rating **	U	Issue No.	69 (cont)
LM End	13.47	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.367643 °	39.367643 °	
			-122.015212 °	-122.015212 °	
DWR ID	16443				

Photo 2 of 3 : UCIP_SP_2022_62952_91686.jpg



Water-Side: View of levee crown looking from crown. Concrete box off levee toe

LM Start	13.47	Rating **	U	Issue No.	69 (cont)
LM End	13.47	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62952_91687.jpg



Land-Side: View of levee slope looking from crown. Concrete distribution box near levee 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.61	Rating **	M	Issue No.	71
LM End	13.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.369523 °	39.369523 °
				-122.014199 °	-122.014199 °
DWR ID	17653				

Comment Code

Inspector Comment

FS_ID:62953
DS_ID:17653
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 05/23/2017 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (A.Freitag - DWR UCIP)
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/21/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 727+65), listed as 36-inch pipe].
FS Date: 5/23/2017 12:01:00 PM

LM Start	13.61	Rating **	M	Issue No.	71 (cont)
LM End	13.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62953_91691.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62953_91692.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.61	Rating **	M	Issue No.	71 (cont)
LM End	13.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.369523 °	39.369523 °
				-122.014199 °	-122.014199 °
DWR ID	17653				

Photo 3 of 3 : UCIP_SP_2022_62953_91693.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.79	Rating **	M	Issue No.	72	
LM End	13.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.371934 °	39.371934 °	
				-122.012945 °	-122.012945 °	
DWR ID	16442					
Comment Code						
Inspector Comment						
FS_ID:62954 DS_ID:16442 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/24/2021 Record remains Non-Urgent. Geophysical study indicates possible presence of pipe through levee. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. Crossing appears abandoned: screw gate stem has been bent, screw gate buried in soil completely. No pipe inlet found on landside. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Abandoned- needs to be done so properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/21/2015 Slide gate is still buried. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0457 for buried slide gate. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at approximately 15-18 feet below the crown. Slide gate on the waterside (WS) end. (Davis Ranches). [Additional Reference(s): DWR Levee Log, 1992 (HLM 14.09), listed as abandoned 36-inch CMP]. FS Date: 2/24/2021 4:08:26 PM						

Photo 1 of 3 : UCIP_SP_2022_62954_91694.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	13.79	Rating **	M	Issue No.	72 (cont)
LM End	13.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.371934 °	39.371934 °
				-122.012945 °	-122.012945 °
DWR ID	16442				

Photo 2 of 3 : UCIP_SP_2022_62954_91695.jpg



Water-Side: View of levee slope looking from crown

LM Start	13.79	Rating **	M	Issue No.	72 (cont)
LM End	13.79	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62954_91696.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	14.10	Rating **	M	Issue No.	78
LM End	14.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.376084 °	39.376084 °
				-122.011966 °	-122.011966 °
DWR ID	17652				

Comment Code

Inspector Comment

FS_ID:62955
DS_ID:17652
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/24/2021 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/21/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee at an unknown depth below the crown. Automatic drainage gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 754+20), listed as 16-inch steel pipe].
FS Date: 2/24/2021 4:13:56 PM

LM Start	14.10	Rating **	M	Issue No.	78 (cont)
LM End	14.10	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2022_62955_91699.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2022_62955_91700.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	14.10	Rating **	M	Issue No.	78 (cont)
LM End	14.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.376084 °	39.376084 °
				-122.011966 °	-122.011966 °
DWR ID	17652				

Photo 3 of 3 : UCIP_SP_2022_62955_91701.jpg



Land-Side: View of levee slope looking from crown

LM Start	14.25	Rating **	U	Issue No.	128
LM End	14.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.378129 °	39.378800 °
				-122.013040 °	-122.013360 °
DWR ID	DWR_MA0001_01_s_2019_128				
Comment Code					
PI : Pipe					
Inspector Comment					
Concrete pipe runs along the landside toe and concrete box at the end.					

Photo 1 of 1 : SP_2022_MA0001_297_128_20220307_00031.jpg



View of the concrete pipe that runs along the landside toe. Fall 2020.

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

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

No Photos

LM Start	15.25	Rating **	M	Issue No.	80	
LM End	15.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.392332 °	39.392332 °	
				-122.012212 °	-122.012212 °	
DWR ID	16440					
Comment Code						
Inspector Comment						
FS_ID:62957 DS_ID:16440 EP_NO: 13361 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/24/2021 Record is 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. (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/21/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 8-inch asphalt coated steel irrigation pipe through the levee, 3 feet below the crown. Siphon breaker on the landside (LS) shoulder. (8-inch pipe authorized under Permit No. 13361, 1982 - Princeton Ranch). [Additional Reference(s): DWR Levee Log, 1992 (HLM 15.58)]. FS Date: 2/24/2021 4:22:54 PM						

Photo 1 of 3 : UCIP_SP_2022_62957_91706.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	15.25	Rating **	M	Issue No.	80 (cont)
LM End	15.25	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.392332 °	39.392332 °	
			-122.012212 °	-122.012212 °	
DWR ID	16440				

Photo 2 of 3 : UCIP_SP_2022_62957_91707.jpg



Water-Side: View of levee slope looking from crown

LM Start	15.25	Rating **	M	Issue No.	80 (cont)
LM End	15.25	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62957_91708.jpg



Land-Side: View of levee slope looking from crown

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

Photo 1 of 1 : SP_2022_MA0001_297_86_20220307_00021.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

No Photos

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

Photo 1 of 1 : SP_2022_MA0001_297_89_20220307_00023.jpg



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

LM Start	16.03	Rating **	U	Issue No.	90
LM End	16.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.403206 °	39.403206 °
				-122.009116 °	-122.009116 °
DWR ID	DWR_MA0001_01_s_2016_90				
Comment Code					
BU : Building					
Inspector Comment					
Metal sided building is at the landside toe.					

Photo 1 of 1 : SP_2022_MA0001_297_90_20220307_00024.jpg



View of a corrugated metal building obstructing visibility and access.

*** 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

Sutter Maintenance Yard Maintenance Area 0001

Levee Inspection Report By Mile - Spring 2022

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

Photo 1 of 1 : SP_2022_MA0001_297_74_20220307_00018.jpg



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

Photo 1 of 1 : SP_2022_MA0001_297_134_20220307_00032.jpg



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

Photo 1 of 1 : SP_2022_MA0001_297_46_20220307_00011.jpg



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

* 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 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

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

Photo 1 of 1 : SP_2022_MA0001_297_47_20220307_00012.jpg



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

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

Photo 1 of 2 : SP_2022_MA0001_297_9_20220307_00006.jpg



USACE 2018 Erosion Photo #1

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	16.35	Rating **	A/W	Issue No.	9 (cont)
LM End	16.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.407837 °	39.411111 °
				-122.008763 °	-122.009238 °
DWR ID	DWR_MA0001_01_s_2022_9				

Photo 2 of 2 : SP_2022_MA0001_297_9_20220307_00007.jpg



USACE 2018 Erosion Photo #2

LM Start	16.37	Rating **	M	Issue No.	135
LM End	16.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.408073 °	39.408073 °
				-122.009058 °	-122.009058 °
DWR ID	DWR_MA0001_01_f_2016_135				
Comment Code					
MA : Material					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	16.49	Rating **	M	Issue No.	81
LM End	16.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.409758 °	39.409758 °
				-122.009562 °	-122.009562 °
DWR ID	16438				

Comment Code

Inspector Comment

FS_ID:62959
DS_ID:16438
EP_NO: 2189
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 02/24/2021 Record remains Non-Urgent. No inspection records were available to determine status of line through the levee. Yellow posts guard on landside may indicate location of gas line on landside. No gas line markers installed on both slopes. (O.Yakimov - DWR UCIP)
05/03/2017 Needs new markers if line is still active. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned pipes. (A. Freitag - DWR Sutter Yard)04/21/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)11/03/2014 Need to contact owner to determine when markers will be placed. Also need to determine additional details--depth and alignment. Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. (O. Magana - DWR UCIP)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/22/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/01/2012 Crossing is an active line. Waiting for additional information from PG&E. (O. Magana - DWR UCIP)11/14/2012 Buried line--no markers visible. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 2-inch gas line along landside (LS) toe from 12-inch gas line at levee mile 16.85 to the Princeton Rice Dryer. 2-inch pipeline installed longitudinally on the levee parallel to highway (HWY) 45 in a northerly direction from the point where the 2-10-inch pipes were installed in the levee. Utility crossing coordinates are approximate. (2-inch gas line extension authorized under Permit No. 2189, 1958 - Pacific Gas & Electric [PG&E]). [Additional Reference(s): DWR Levee Log, 1992 (HLM 16.85 - 17.00), listed as 2-inch gas line along landward toe].
FS Date: 2/24/2021 4:30:02 PM

Photo 1 of 3 : UCIP_SP_2022_62959_91715.jpg



Top of Levee: View of levee crown looking upstream

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/05/2022 04/05/2022	Makar Sokol

LM Start	16.49	Rating **	M	Issue No.	81 (cont)
LM End	16.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.409758 °	39.409758 °	
			-122.009562 °	-122.009562 °	
DWR ID	16438				

Photo 2 of 3 : UCIP_SP_2022_62959_91716.jpg



Water-Side: View of levee slope looking from crown

LM Start	16.49	Rating **	M	Issue No.	81 (cont)
LM End	16.49	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62959_91717.jpg



Water-Side: View of levee slope looking waterside berm

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