

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

Sutter Maintenance Yard Wadsworth Canal

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

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

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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

Sutter Maintenance Yard Wadsworth Canal

Waterway			Bank	Unit Miles
Unit No. 01 Wadsworth Canal			Left	4.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/9/2022 - 3/9/2022			
DWR Inspector	Makar Sokol			
Accompanied By	Cory Hutton 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_ST0010_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_ST0010_01_s_2013_11				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_ST0010_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2021.					

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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.113670 °	39.113670 °
				-121.768310 °	-121.768310 °
DWR ID	17068				

Comment Code

Inspector Comment

FS_ID:60105
DS_ID:17068
EP_NO: 5296
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 02/07/2019 Record remains Non-Urgent, unable to locate pipe or any appurtenances on the levee. LMA superintendent, Joel Farias, mentioned that this line has been abandoned and line is only referenced in old PG&E facility maps. Owner to this pipe has been changed at least 4 times. No maintenance records were available to determine the status of the pipe. Unable to confirm how pipe was abandoned. Will need to contact owner. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/12/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/19/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)05/12/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)11/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Need to determine disposition of pipe, contact pipe owner if possible. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 3.5-inch steel gas line through the levee, 3 feet below the crown. Gas line goes through both levees and Wadsworth Canal. Waterside (WS) bank protected by rock. (3-inch line authorized under Permit No. 5296, 1966 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.02, listed as 3.5-inch gas line)].
FS Date: 2/7/2019 2:48:00 PM

Photo 1 of 3 : UCIP_SP_2022_60105_78653.jpg



WS view: Clean slope with no evidence of line present.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	1 (cont)	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.113670 °	39.113670 °	
				-121.768310 °	-121.768310 °	
DWR ID	17068					

Photo 2 of 3 : UCIP_SP_2022_60105_78654.jpg



Overview of levee crown at location where crossing should be.

LM Start	0.02	Rating **	M	Issue No.	1 (cont)
LM End	0.02	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60105_78655.jpg



LS view: No markers visible on LS.

LM Start	0.06	Rating **	A/W	Issue No.	20
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.114203 °	39.114842 °
				-121.768015 °	-121.767382 °
DWR ID	DWR_ST0010_01_f_2016_20				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_42_20_20220307_00003.jpg



View of the erosion along the waterside 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	0.38	Rating **	A/W	Issue No.	19
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.117910 °	39.117910 °
				-121.764497 °	-121.764497 °
DWR ID	DWR_ST0010_01_f_2016_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_42_19_20220307_00002.jpg



View of the erosion along the waterside toe. Fall 2020.

LM Start	0.56	Rating **	M	Issue No.	18
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.119985 °	39.119985 °
				-121.762600 °	-121.762600 °
DWR ID	DWR_ST0010_01_s_2017_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_42_18_20220307_00001.jpg



View of the erosion along the waterside toe. Fall 2021.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.21	Rating **	M	Issue No.	2	
LM End	1.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.127566 °	39.127566 °	
				-121.755282 °	-121.755282 °	
DWR ID	17059					
Comment Code						
Inspector Comment						
FS_ID:60106 DS_ID:17059 EP_NO: 1605 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 Record remains Non-Urgent, pipe and appurtenances have been abandoned at this location. The pump and power meter have been removed from this location. Owner will need to coordinate with CVFPB to remove pipe according to Title 23 requirements. (O. Magana - DWR UCIP)04/10/2017 Abandoned. (A. Freitag - DWR Sutter Yard)10/12/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/16/2016 Abandoned crossing. Ws pipe end is open and should be capped. (A. Freitag - DWR Sutter Yard)05/12/2015 Abandoned crossing. Needs to be properly abandoned. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 No pump on Pier and power lines cut. Apparently abandoned-should be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe (permit records indicate 16-inch pipe, 18-inch diameter field verified) through the levee, 3.7 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump on channel bank on steel structure. (16-inch pipe authorized under Permit No. 1605, 1959 - Schnabel; Aerial 12 KV power line extension for pump authorized under Permit No. 1631, 1959 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.20, listed as 18-inch steel pipe)]. FS Date: 2/7/2019 2:48:00 PM						

Photo 1 of 3 : UCIP_SP_2022_60106_78658.jpg



LS view: overview of LS looking downstream.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.21	Rating **	M	Issue No.	2 (cont)
LM End	1.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127566 °	39.127566 °
				-121.755282 °	-121.755282 °
DWR ID	17059				

Photo 2 of 3 : UCIP_SP_2022_60106_78656.jpg



Overview of levee crown at pipe crossing.

LM Start	1.21	Rating **	M	Issue No.	2 (cont)
LM End	1.21	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60106_78657.jpg



WS view: overview of WS looking downstream.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.25	Rating **	M	Issue No.	3	
LM End	1.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.128027 °	39.128027 °	
				-121.754849 °	-121.754849 °	
DWR ID	17060					
Comment Code						
Inspector Comment						
FS_ID:60107 DS_ID:17060 EP_NO: 13362 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent, unable to determine whether the old authorized conduit line was abandoned through the levee. The conduit appears to be modified to an aerial conduit. Need to contact owner to determine status of authorized line and determine permit issued for modification of the aerial line at the same location. (O. Magana - DWR UCIP)04/11/2017 Aerial lines. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 No pipe on downstream side of bridge. It is likely that this com line is now an aerial. See photos. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch steel communication conduit with multiple telephone cables inside through the levee, 2.6 feet below the crown. Telephone cables sleeved through existing 4-inch conduit. The conduit is no longer attached to downstream side of bridge. It is likely that this communication line is now an aerial. (4-inch conduit authorized under Permit No. 6906, 1970 - Pacific Telephone and Telegraph Company [PT&T]. Telephone cables were installed through existing conduit authorized under Permit No. 13362, 1982 - PT&T). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.24, listed as 4-inch steel conduit)]. FS Date: 2/7/2019 2:49:00 PM						

Photo 1 of 3 : UCIP_SP_2022_60107_78669.jpg



WS view: only overhead power lines visible at this location.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.25	Rating **	M	Issue No.	3 (cont)
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.128027 °	39.128027 °	
			-121.754849 °	-121.754849 °	
DWR ID	17060				

Photo 2 of 3 : UCIP_SP_2022_60107_78667.jpg



Overview of levee crown and WS.

LM Start	1.25	Rating **	M	Issue No.	3 (cont)
LM End	1.25	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60107_78668.jpg



LS view: no markers visible along LS or county road.

LM Start	1.27	Rating **	M	Issue No.	21
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.128324 °	39.128324 °
				-121.754619 °	-121.754619 °
DWR ID	DWR_ST0010_01_s_ 2021_21				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_42_21_20220307_00004.jpg



View of the waterside slope damaged by vehicle traffic. 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.74	Rating **	M	Issue No.	6
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.133887 °	39.141757 °
				-121.749526 °	-121.742939 °
DWR ID	DWR_ST0010_01_s _ 2022_6				
Comment Code					
Inspector Comment					
2018 Site ID: WAC 2.1 L					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2011 - Whole bank is starting to unravel, with failure from poor soils. 2017 - Minor new erosion observed.					

No Photos

LM Start	2.43	Rating **	M	Issue No.	7
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.142235 °	39.153095 °
				-121.742609 °	-121.734390 °
DWR ID	DWR_ST0010_01_s _ 2022_7				
Comment Code					
Inspector Comment					
2018 Site ID: WAC 2.4 L					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2017 - Significant new erosion lower bank.					

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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.01	Rating **	M	Issue No.	4
LM End	3.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.149185 °	39.149185 °
				-121.736715 °	-121.736715 °
DWR ID	17064				
Comment Code					
Inspector Comment					
FS_ID:60112 DS_ID:17064 EP_NO: 9191 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent, no maintenance records were made available to determine condition of line. Need to contact owner to determine status of line through the levee. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 6-inch asphalt coated steel gas line through the levee, 1.1 feet below the crown. Gas line crosses the Wadsworth Canal and its levees. Gas line markers located on the landside (LS) and waterside (WS) toes. (6-inch gas line authorized under Permit No. 764, 1939 - Pacific Gas and Electric Company [PG&E]. Pipe reconstructed under Permit No. 9191, 1974 - PG&E). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.04, listed as 7-inch gas line). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 159+38), listed as 6-inch steel gas line, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3]. FS Date: 2/7/2019 2:52:00 PM					

Photo 1 of 3 : UCIP_SP_2022_60112_78683.jpg



WS view: line crosses both left and right bank, markers visible on opposite 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.01	Rating **	M	Issue No.	4 (cont)	
LM End	3.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.149185 °	39.149185 °	
				-121.736715 °	-121.736715 °	
DWR ID	17064					

Photo 2 of 3 : UCIP_SP_2022_60112_78681.jpg



Overview of levee crown at pipe crossing.

LM Start	3.01	Rating **	M	Issue No.	4 (cont)
LM End	3.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60112_78682.jpg



LS view: overview of LS looking upstream towards crossing.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.04	Rating **	M	Issue No.	5
LM End	3.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.149549 °	39.149549 °
				-121.736408 °	-121.736408 °
DWR ID	17065				

Comment Code

Inspector Comment

FS_ID:60113
DS_ID:17065
EP_NO: 7209
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 01/06/2022 LoF of crossing is 5.2 due to pin size holes less than 10 feet from pipe end. Crossing remains Non-Urgent because pipe damage located outside of levee prism and does not pose a threat to levee. (O.Yakimov - DWR UCIP)
02/07/2019 Record remains Non-Urgent due to of few maintenance issues observed during inspection. Pipe is being used as a shooting target. Multiple holes are visible on the exposed WS section of the pipe. The inlet pipe section located on the LS has been damaged (pipe wall section pulled). This pipe qualifies as an LMA responsible crossing as it was originally listed in the USACE O&M manual as a drainage pipe. The CVFPB issued a permit in 1970 for the replacement of the original USACE drainage pipe. (O. Magana - DWR UCIP)04/10/2017 WS pipe end is in good condition. LS pipe end is still deformed and vegetated. (A. Freitag - DWR Sutter Yard)10/12/2016 LS inlet is still deformed and being overgrown by vegetation. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 LS inlet still deformed a little but does not affect the crossing function. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Pipe intake on LS appears to be bent and damaged but that does not appear to be affecting water flow or channel bank. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe (permit records indicate 30-inch, USACE O&M pipe replaced with new 30-inch pipe) through the levee, 9 feet below the crown. Flap gate located on the waterside (WS) end. (36-inch pipe removed and replaced under Permit No. 7209, 1970 - Department of Water Resources [DWR], replacement pipe size not referenced drawing shows pipe is 9-feet 2-inches below the levee crown) [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.06, listed as 36-inch CMP 14-feet below the crown). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 160+25), listed as 36-inch CMP w/ steel flap valve, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, sheet 2 of 3].
FS Date: 2/7/2019 2:53:00 PM

Photo 1 of 3 : UCIP_SP_2022_60113_78688.jpg



LS view: overview of LS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.04	Rating **	M	Issue No.	5 (cont)
LM End	3.04	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.149549 °	39.149549 °	
			-121.736408 °	-121.736408 °	
DWR ID	17065				

Photo 2 of 3 : UCIP_SP_2022_60113_78687.jpg



Overview of levee crown looking downstream at crossing.

LM Start	3.04	Rating **	M	Issue No.	5 (cont)
LM End	3.04	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60113_78686.jpg



WS view: overview of WS.

LM Start	3.08	Rating **	M	Issue No.	15
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.150046 °	39.152111 °
				-121.736031 °	-121.734719 °
DWR ID	DWR_ST0010_01_s_2022_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_42_15_20220310_00032.jpg



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

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.30	Rating **	M	Issue No.	8	
LM End	3.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.153043 °	39.153043 °	
				-121.734247 °	-121.734247 °	
DWR ID	23097					
Comment Code						
Inspector Comment						
FS_ID:57985 DS_ID:23097 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 Record remains Non-Urgent due to no permit found authorizing conduit through the levee. Carsonite marker lists CVIN as owner. Contact phone number listed on marker to be used before digging is 855-442-6010. Need to contact owner to determine permit used for installation of buried fiber optic cable. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. Photos added. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/31/2016 Need photos markers and levee overview (O. Magana - DWR UCIP)04/19/2016 Crossing appears to be in good condition. No permit on file. (A. Freitag - DWR Sutter Yard)05/12/2015 No noticeable issues with crossing but no permit on file for it. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 No known permit for work. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee, 2 feet below the crown. Fiber optics line attached to bottom of downstream side of South Butte Road bridge. Position marked with orange markers. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/7/2019 2:53:00 PM						

Photo 1 of 3 : UCIP_SP_2022_57985_76957.jpg



LS overview

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.30	Rating **	M	Issue No.	8 (cont)
LM End	3.30	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.153043 °	39.153043 °	
			-121.734247 °	-121.734247 °	
DWR ID	23097				

Photo 2 of 3 : UCIP_SP_2022_57985_76953.jpg



Levee overview looking upstream.

LM Start	3.30	Rating **	M	Issue No.	8 (cont)
LM End	3.30	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_57985_76954.jpg



Conduit exiting WS slope and attaching to the downstream side of South Butte Rd bridge.

LM Start	3.32	Rating **	M	Issue No.	16
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.153296 °	39.170973 °
				-121.734304 °	-121.726852 °
DWR ID	DWR_ST0010_01_s_2022_16				
Comment Code					
Inspector Comment					
2018 Site ID: WAC 4.4 L					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: Significant lower bank erosion and overall slumping.					

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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	9
LM End	3.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.155752 °	39.155752 °
				-121.733115 °	-121.733115 °
DWR ID	17066				

Comment Code

Inspector Comment

FS_ID:60147
DS_ID:17066
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/07/2019 Record remains Non-Urgent, this crossing has been modified. Also, unable to determine if the 24-inch pipe referenced in the levee logs still exists through the levee. There is a 14-inch steel pipe on the WS, a 16-inch steel riser on the WS, and a 16-inch PVC pipe located on the LS. No permit was found authorizing the modifications at this location. The 4-foot by 6-foot concrete distribution box has been removed from the WS. Some settling (minor depression) is present where the distribution box might have been previously located. Need to contact owner to determine CVFPB permit issued for the modifications at this location. (O. Magana - DWR UCIP)01/28/2019 USACE O&M dwg shows 12-inch and 24-inch on LS. (O. Magana - DWR UCIP)
04/10/2017 LS heavily vegetated but nothing appears to have changed with the crossing. LS headwall still silted in and pipe discharges directly into the rice field. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing has not changed since the last inspection. LS headwall is silted in and not being used. LS pipe end discharges into the rice field. (A. Freitag - DWR Sutter Yard)05/12/2015 Concrete headwall on LS is completely silted in. LS pipe end is located near the edge of rice field. No issues seen on WS. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Concrete headwall is silted in and appears to be abandoned. Discharge end of pipe is approx. 100ft. from LS toe on the edge of the rice field. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 24-inch steel irrigation pipe (USACE O&M refers to 24-inch corrugated metal pipe, 14-inch pipe [measured] connected to pump) through the levee, 11 feet below the crown. Slide gate in 4-foot by 6-foot concrete distribution box located at the waterside (WS) toe. (not found in 2012) Vertical pump mounted on a steel structure in channel. Service pole on the berm with 16-inch (measured) standpipe located on the WS toe. Concrete "U" shaped headwall located on the landside (LS) toe. Field measurements taken during site visit (2019): 14-inch steel pipe on WS, 16-inch steel riser on the WS, and 16-inch PVC pipe on the LS. [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.54, listed as 24-inch pipe). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 184+87), listed as 12-inch CMP and 24-inch CMP, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3].

Photo 1 of 3 : UCIP_SP_2022_60147_78704.jpg



Overview of levee crown looking downstream towards crossing.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

FS Date: 2/7/2019 2:54:00 PM

LM Start	3.50	Rating **	M	Issue No.	9 (cont)
LM End	3.50	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_60147_78701.jpg



Overview of levee crown looking upstream towards crossing.

LM Start	3.50	Rating **	M	Issue No.	9 (cont)
LM End	3.50	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60147_78702.jpg



LS view: power pole located on LS.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.31	Rating **	M	Issue No.	13
LM End	4.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166919 °	39.166919 °
				-121.728415 °	-121.728415 °
DWR ID	17067				
Comment Code					
Inspector Comment					
FS_ID:60115 DS_ID:17067 EP_NO: 4680 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent, buried line appears to have been changed to an aerial line. No signs were present of the buried conduit instead there appears to be an aerial line at this location now. Need to coordinate with owner to determine if 4-inch conduit was properly abandoned or removed per Title 23. If modifications were not approved by the CVFPB, owner will need to coordinate with the CVFPB to comply with Title 23 requirements. (O. Magana - DWR UCIP)04/10/2017 Aerial lines. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Communication line on Pole 400-feet west of canal. Likely now an aerial on North side of roadway. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch steel communication conduit (telephone cable inside) through the levee, 2.3 feet below the crown. Conduit line goes through Wadsworth Canal and its levees. Annular space between pipe and conduit grouted. Line is attached to south side of the Butte House Road bridge (no longer attached in 2012). (4-inch conduit authorized under Permit No. 4680, 1964 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.37, listed as 4-inch steel conduit)]. FS Date: 2/7/2019 2:54:00 PM					

Photo 1 of 3 : UCIP_SP_2022_60115_78705.jpg



No markers visible on levee crown for conduit, photo 1 of 2.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.31	Rating **	M	Issue No.	13 (cont)
LM End	4.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166919 °	39.166919 °
				-121.728415 °	-121.728415 °
DWR ID	17067				

Photo 2 of 3 : UCIP_SP_2022_60115_78706.jpg



No markers visible on levee crown for conduit, photo 2 of 2.

LM Start	4.31	Rating **	M	Issue No.	13 (cont)
LM End	4.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60115_64725.jpg



Telephone pole on east side of canal with underground line attached.
This is a good indicator of where crossing is or was located.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.32	Rating **	M	Issue No.	14	
LM End	4.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.167098 °	39.167098 °	
				-121.728341 °	-121.728341 °	
DWR ID	17058					
Comment Code						
Inspector Comment						
FS_ID:60116 DS_ID:17058 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent, unable to confirm status of pipe through the levee. Unable to locate pipe or appurtenances through this section of the levee. The DWR DMP geophysical investigation report indicates no signal received of suggestive target. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. Also there is no permit identified for the authorization of this pipe. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/12/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/19/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)05/12/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)11/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 unable to locate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 8.7 feet below the crown. Pipe is open at both the waterside (WS) and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.38, listed as 12-inch CMP). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 228+00), listed as 12-inch CMP, USACE Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3, 12-inch CMP referenced at 228+25]. FS Date: 2/7/2019 12:13:00 PM						

Photo 1 of 3 : UCIP_SP_2022_60116_78707.jpg



WS view: overview of WS, no signs of pipe.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.32	Rating **	M	Issue No.	14 (cont)
LM End	4.32	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.167098 °	39.167098 °	
			-121.728341 °	-121.728341 °	
DWR ID	17058				

Photo 2 of 3 : UCIP_SP_2022_60116_78708.jpg



Overview of levee crown where crossing should be.

LM Start	4.32	Rating **	M	Issue No.	14 (cont)
LM End	4.32	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60116_78709.jpg



LS view: overview of LS, no signs of pipe.

LM Start	4.33	Rating **	M	Issue No.	17
LM End	4.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.167232 °	39.167232 °
				-121.728323 °	-121.728323 °
DWR ID	DWR_ST0010_01_s_2022_17				
Comment Code					
RA : Ramp					
Inspector Comment					

No Photos

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

Sutter Maintenance Yard Wadsworth Canal

Waterway			Bank	Unit Miles
Unit No. 02 Wadsworth Canal			Right	4.60
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/9/2022 - 3/9/2022			
DWR Inspector	Makar Sokol			
Accompanied By	Cory Hutton DWR Sutter Yard		Steve Beckley Sutter Maintenance 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	1	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.114372 °	39.114372 °	
				-121.769263 °	-121.769263 °	
DWR ID	17080					
Comment Code						
Inspector Comment						
FS_ID:60117 DS_ID:17080 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 Record remains Non-Urgent, no maintenance records were made available by owner. No signs of line was present through this section of the levee. Need to contact owner to determine current status of line. If pipe is still in use, owner will need to provide maintenance records. If pipe is no longer in use, owner will need to coordinate with the CVFPB to comply with Title 23 requirements for proper removal or abandonment. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/12/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/19/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)05/12/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Unable to locate any signage. Call owner to determine disposition of pipeline. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3.5-inch steel gas line through the levee, 3 feet below the crown. Gas line goes through both levees and Wadsworth Canal. (3-inch line authorized under Permit No. 5296, 1966 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.02)]. FS Date: 2/7/2019 11:10:00 AM						

Photo 1 of 3 : UCIP_SP_2022_60117_78711.jpg



LS view: overview of LS; no markers present on LS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	1 (cont)
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.114372 °	39.114372 °	
			-121.769263 °	-121.769263 °	
DWR ID	17080				

Photo 2 of 3 : UCIP_SP_2022_60117_78712.jpg



Overview of levee crown where crossing should be.

LM Start	0.02	Rating **	M	Issue No.	1 (cont)
LM End	0.02	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60117_78710.jpg



WS view: overview of WS; no markers visible of gas line.

LM Start	0.35	Rating **	M	Issue No.	24
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.118178 °	39.118178 °
				-121.765500 °	-121.765500 °
DWR ID	DWR_ST0010_02_s_2022_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is present at the toe of the levee. Patrol road is cutting into the levee prism.					

Photo 1 of 1 : SP_2022_ST0010_43_24_20220310_00045.jpg



View of the erosion at the waterside toe/patrol road. 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	0.79	Rating **	M	Issue No.	23
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.123219 °	39.123219 °
				-121.760650 °	-121.760650 °
DWR ID	DWR_ST0010_02_s_ 2022_23				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_43_23_20220310_00046.jpg



View of a tree at the waterside 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.16	Rating **	M	Issue No.	2
LM End	1.16	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127487 °	39.127487 °
				-121.756485 °	-121.756485 °
DWR ID	17069				

Comment Code

Inspector Comment

FS_ID:60118
DS_ID:17069
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/07/2019 Record remains Non-Urgent, pipe and appurtenances have been abandoned through this section of the levee. Utility pole base has rotted out and fallen down on the WS berm slope. Abandoned pump is still present on the WS berm edge. Large rodent holes are visible on the WS near the rip rap section where pipe daylights on the WS. Need to contact owner to properly remove or abandon line according to Title 23 requirements. Owner will need to coordinate with the CVFPB to properly address abandoned pipe. No permit has been identified authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Abandoned crossing with heavy rodent activity around it. Needs to be removed. (A. Freitag - DWR Sutter Yard)10/12/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/19/2016 Abandoned crossing. Rodent activity still present on WS slope. (A. Freitag - DWR Sutter Yard)05/12/2015 Abandoned crossing. Signs of rodent activity on both sides of levee. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Pipe appears improperly abandoned. No motor present, electrical equipment is stripped. Heavy rodent activity along pipe WS and LS. Pipe needs to be removed or properly abandoned. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump mounted on concrete pad near canal bank located on the waterside (WS). Service pole located on the berm. 36-inch concrete standpipe located on the landside (LS) toe. (10-inch pipe authorized under Permit No. 945, 1944 - Becker). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.17). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 61+10), listed as 10-inch steel pipe, USACE As-built Drawing No. 50-04-1949, Drawing No. 1, Sheet 3, March 1952, page 1 of 3].
FS Date: 2/7/2019 11:11:00 AM

Photo 1 of 3 : UCIP_SP_2022_60118_78718.jpg



LS view: overview of LS.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.16	Rating **	M	Issue No.	2 (cont)
LM End	1.16	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127487 °	39.127487 °
				-121.756485 °	-121.756485 °
DWR ID	17069				

Photo 2 of 3 : UCIP_SP_2022_60118_78717.jpg



Overview of levee crown at pipe crossing.

LM Start	1.16	Rating **	M	Issue No.	2 (cont)
LM End	1.16	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60118_64727.jpg



Pipe and pump facilities on WS 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.24	Rating **	M	Issue No.	3	
LM End	1.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.128414 °	39.128414 °	
				-121.755585 °	-121.755585 °	
DWR ID	17071					
Comment Code						
Inspector Comment						
FS_ID:60120 DS_ID:17071 EP_NO: 13362 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 Record has been updated from No Action Need to Non-Urgent evaluation. Unable to find evidence of conduit through the levee. Need to contact owner to obtain permit authorizing the removal or abandonment of conduit through the levee. Unable to confirm if the buried conduit was replaced by new aerial line within this section of the levee. Need to contact owner to obtain permit authorizing the modifications of the permit associated with the communication line. (O. Magana - DWR UCIP)04/10/2017 Aerial lines. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing now appears to be the aerial line. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4-inch steel communication conduit with multiple telephone cables inside through the levee, 2.6 feet below the crown. Telephone cables installed inside existing 4-inch conduit. The conduit is no longer attached to the downstream side of the bridge. It is likely that this communication line is now an aerial. (Original 4-inch conduit was installed under Permit No. 6906, 1970 - Pacific Telephone and Telegraph Company [PT&T]. Telephone cables through existing conduit were authorized under Permit No. 13362, 1982 - PT&T). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.25)]. FS Date: 2/7/2019 11:13:00 AM						

Photo 1 of 3 : UCIP_SP_2022_60120_64732.jpg



Aerial communication line over levee where underground communication line once was.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.24	Rating **	M	Issue No.	3 (cont)
LM End	1.24	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.128414 °	39.128414 °	
			-121.755585 °	-121.755585 °	
DWR ID	17071				

Photo 2 of 3 : UCIP_SP_2022_60120_78727.jpg



Overview of levee crown looking towards where crossing should be.

LM Start	1.24	Rating **	M	Issue No.	3 (cont)
LM End	1.24	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60120_78728.jpg



Aerial lines visible only no signs of communication line.

LM Start	1.44	Rating **	M	Issue No.	25
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.130768 °	39.130768 °
				-121.753336 °	-121.753336 °
DWR ID	DWR_ST0010_02_s_ 2022_25				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.73	Rating **	A/W	Issue No.	8
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.134064 °	39.141814 °
				-121.749781 °	-121.743260 °
DWR ID	DWR_ST0010_02_s_2022_8				
Comment Code					
Inspector Comment					
2018 Site ID: WAC 2.1 R					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2011 - Whole bank is starting to unravel, with failure from poor soils. 2017 - Minor new erosion observed.					

No Photos

LM Start	1.75	Rating **	M	Issue No.	20
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.134378 °	39.134378 °
				-121.749803 °	-121.749803 °
DWR ID	DWR_ST0010_02_f_2016_20				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Ramp is causing depression in the levee slope.					

Photo 1 of 1 : SP_2022_ST0010_43_20_20220307_00003.jpg



View of the ramp encroaching into the levee. Fall 2020.

LM Start	1.76	Rating **	A/W	Issue No.	11
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.134490 °	39.134490 °
				-121.749716 °	-121.749716 °
DWR ID	DWR_ST0010_02_f_2012_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_43_11_20220307_00001.jpg



View of the rodent holes above the irrigation pipe. 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	4	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.134497 °	39.134497 °	
				-121.749716 °	-121.749716 °	
DWR ID	17074					
Comment Code						
Inspector Comment						
FS_ID:60150 DS_ID:17074 EP_NO: 1096 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent issue. Modification were noted at this location without authorization. Concrete standpipe previously located on the LS is no longer present. Pipe on LS measures 16-inch and 20-inches on the WS near pump. Need to contact owner to determine permit authorizing modifications to this structure. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. It measure to be 16" on LS and 20" on WS where visible near pump. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. Minor rodent activity nearby. (A. Freitag - DWR Sutter Yard)04/19/2016 No signs of pipe leaks. Still some minor rodent activity under the pipe on LS slope. (A. Freitag - DWR Sutter Yard)05/12/2015 Rodent activity near pipe on LS. (A. Freitag - DWR Sutter Yard)11/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion. (A. Freitag - DWR Sutter Yard)05/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Heavy rodent activity on LS slope along pipe alignment. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4 feet below the crown. Pump mounted on a steel structure located on the waterside (WS) bank. Siphon breaker located on the WS slope. 48-inch concrete standpipe located on the landside (LS) berm (not found in 2012). (16-inch pipe authorized under Permit No. 1096, 1946 - Fritz Ziegenmeyer. Owner name change for structure authorized under Permit No. 1479, 1950 - H.D and H. T. Brown). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.78, listed as two 16-inch pipes). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 93+55), listed as 12-inch steel pipe, USACE As-built Drawing No. 50-04-1949, (Station 93+50), Drawing No. 1, Sheet 3, March 1952, page 1 of 3]. FS Date: 2/7/2019 11:16:00 AM						

Photo 1 of 3 : UCIP_SP_2022_60150_78743.jpg



LS view: overview of LS looking upstream towards pipe.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	4 (cont)	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.134497 °	39.134497 °	
				-121.749716 °	-121.749716 °	
DWR ID	17074					

Photo 2 of 3 : UCIP_SP_2022_60150_78742.jpg



Overview of levee crown at pipe crossing.

LM Start	1.76	Rating **	M	Issue No.	4 (cont)
LM End	1.76	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60150_78744.jpg



WS view: overview of WS looking upstream towards pipe.

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	5	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.134499 °	39.134499 °	
				-121.749712 °	-121.749712 °	
DWR ID	17082					
Comment Code						
Inspector Comment						
FS_ID:60125 DS_ID:17082 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 Pipe section on LS measures 16-inch on both sides of the levee. Record has been updated from No Action Needed to Non-Urgent issue. Minor modification were noted at this location without authorization. Concrete standpipe previously located on the LS is no longer present. The pump and motor have been removed from the WS. Need to contact owner to determine current status of crossing. If pipe is no longer used, the owner will need to coordinate with the CVFPB to remove or abandon pipe according to Title 23 requirements. No permit has been identified authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Abandoned crossing. Pipe measures to be 16" on both sides of levee. (A. Freitag - DWR Sutter Yard)10/12/2016 Abandoned crossing. Minor rodent activity near by. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears abandoned. Minor rodent activity under pipe on LS slope. (A. Freitag - DWR Sutter Yard)05/12/2015 Abandoned crossing that needs to be properly abandoned. Rodent activity near LS pipe. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Heavy rodent activity along LS alignment of pipe. No pump on structure and it appears to be abandoned. Should be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4 feet below the crown. Pump mounted on a timber structure located on the waterside (WS). Siphon breaker located on the landside (LS) slope. 48-inch concrete standpipe located on the LS berm (not found in 2012). (16-inch pipe authorized under Permit No. 1104, 1946 - A. H. Muns). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.78, listed as two 16-inch steel pipes). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 93+50), listed as a 12-inch pipe, USACE As-built Drawing No. 50-04-1949, (Station 93+55), Drawing No. 1, Sheet 3, March 1952, page 1 of 3]. FS Date: 2/7/2019 11:16:00 AM						

Photo 1 of 3 : UCIP_SP_2022_60125_64736.jpg



Pipe on LS showing rodent activity.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	5 (cont)
LM End	1.76	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.134499 °	39.134499 °	
			-121.749712 °	-121.749712 °	
DWR ID	17082				

Photo 2 of 3 : UCIP_SP_2022_60125_64735.jpg



Pipe on LS showing rodent activity.

LM Start	1.76	Rating **	M	Issue No.	5 (cont)
LM End	1.76	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60125_64734.jpg



Pipe on left without pump.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	2.09	Rating **	M	Issue No.	6	
LM End	2.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.138425 °	39.138425 °	
				-121.746342 °	-121.746342 °	
DWR ID	17075					
Comment Code						
Inspector Comment						
FS_ID:60126 DS_ID:17075 EP_NO: 1859 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent issue due to minor modifications made to structure. New housing units for the siphon breakers have been upgraded on both levee sides of the levee, plus a new flow meter was added to the WS pipe section. There is a high probability that the pipe section through the levee was replaced or repaired when the modifications were made. Recommend contacting owner to determine if a new permit has been issued for the modifications. Also need to ask for maintenance records for this pipe (when was pipe replaced? UCIP's records show pipe is 64 years old). (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Pump on platform located on the waterside (WS). Pipe discharges into a 36-inch concrete standpipe at the landside (LS) toe. Siphon breakers in 14-inch risers located on the LS and butterfly shutoff valve located on the WS shoulders. Service pole located on the berm. (14-inch pipe authorized under Permit No. 1859, 1959 - Thomason. Permit renewal due to pipe leak repair authorized under Permit No. 1859-A, 1965 - Thomason). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.11)]. FS Date: 2/7/2019 11:17:00 AM						

Photo 1 of 3 : UCIP_SP_2022_60126_78759.jpg



LS view: overview of LS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	2.09	Rating **	M	Issue No.	6 (cont)	
LM End	2.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.138425 °	39.138425 °	
				-121.746342 °	-121.746342 °	
DWR ID	17075					

Photo 2 of 3 : UCIP_SP_2022_60126_78757.jpg



Overview of levee crown.

LM Start	2.09	Rating **	M	Issue No.	6 (cont)
LM End	2.09	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60126_78758.jpg



WS view: overview of WS.

LM Start	2.41	Rating **	A/W	Issue No.	9
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.142254 °	39.153150 °
				-121.742847 °	-121.734611 °
DWR ID	DWR_ST0010_02_s_2022_9				
Comment Code					
Inspector Comment					
2018 Site ID: WAC 2.4 R					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2017 - Significant new erosion lower bank.					

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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	2.95	Rating **	M	Issue No.	21
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.148938 °	39.148938 °
				-121.737620 °	-121.737620 °
DWR ID	DWR_ST0010_02_f_2016_21				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Ramp is causing a depression in the levee slope.					

Photo 1 of 1 : SP_2022_ST0010_43_21_20220307_00004.jpg



View of the ramp encroaching into the levee. Fall 2020.

LM Start	2.95	Rating **	A/W	Issue No.	22
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			39.148938 °	39.148938 °
				-121.737620 °	-121.737620 °
DWR ID	DWR_ST0010_02_f_2016_22				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

Photo 1 of 1 : SP_2022_ST0010_43_22_20220307_00005.jpg



View of the cracking along the waterside toe. 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	2.99	Rating **	M	Issue No.	7	
LM End	2.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.149350 °	39.149350 °	
				-121.737239 °	-121.737239 °	
DWR ID	17076					
Comment Code						
Inspector Comment						
FS_ID:60127						
DS_ID:17076						
EP_NO: 9191						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 02/07/2019 Record has been updated from No						
Action Need to Non-Urgent issue due to missing maintenance records.						
Need to contact owner to obtain maintenance records and confirm line						
integrity through the levee. (O. Magana - DWR UCIP)04/10/2017						
Crossing appears to be in good condition. (A. Freitag - DWR Sutter						
Yard)10/12/2016 Crossing appears to be in good condition. (A.						
Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in						
good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing						
appears in good condition. No noticeable issues to report. (A. Freitag -						
DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag -						
DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag -						
DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag -						
DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag -						
DWR Sutter Yard)						
FIELD_STRUCT_DESC: 6-inch asphalt coated steel gas line through						
the levee, 1.1 feet below the crown. Gas line crosses Wadsworth Canal						
and its levees. Gas line markers located on the landside (LS) toe and						
across channel. (6-inch gas line authorized under Permit No. 764,						
1939 - Pacific Gas and Electric Company [PG&E]. 6-inch Pipe						
reconstructed under Permit No. 9191, 1974 - PG&E). [Additional						
Reference(s): DWR Levee Log, 2005 (HLM 3.02, listed as 7-inch gas						
line). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station						
157+35), listed as 6-inch steel pipe, USACE As-built Drawing No. 50-						
04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3].						
FS Date: 2/7/2019 11:17:00 AM						

Photo 1 of 3 : UCIP_SP_2022_60127_78767.jpg



LS view: overview of LS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	2.99	Rating **	M	Issue No.	7 (cont)
LM End	2.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.149350 °	39.149350 °	
			-121.737239 °	-121.737239 °	
DWR ID	17076				

Photo 2 of 3 : UCIP_SP_2022_60127_78765.jpg



Overview of levee crown looking upstream towards crossing.

LM Start	2.99	Rating **	M	Issue No.	7 (cont)
LM End	2.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60127_78766.jpg



WS view: overview of WS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.00	Rating **	U	Issue No.	12
LM End	3.00	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.149561 °	39.149561 °	
			-121.737080 °	-121.737080 °	
DWR ID	17077				

Comment Code

Inspector Comment

FS_ID:60129
DS_ID:17077
EP_NO: 7209
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 01/06/2022 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LoF of crossing is 5.1 due to holes less than 10 feet from pipe end and deformation less or equal 10%. Crossing will be monitored until funding becomes available to address the issues. (O.Yakimov - DWR UCIP) 02/07/2019 Record remains Non-Urgent due to the tree obstructing access to the WS pipe outlet. Maintenance will need to be performed to clear some of the vegetation preventing access to the flap gate. This pipe qualifies as an LMA responsible crossing as it was originally listed in the USACE O&M manual as a drainage pipe. The CVFPB issued a permit in 1970 for the replacement of the original USACE drainage pipe. (O. Magana - DWR UCIP)04/10/2017 Tree still present and a problem at the WS pipe outlet. LS inlet is still vegetated. (A. Freitag - DWR Sutter Yard)10/12/2016 Tree at the WS pipe end is still an issue and needs to be cut away. LS inlet is also being overgrown with vegetation. (A. Freitag - DWR Sutter Yard)04/19/2016 Tree at WS pipe end needs to be trimmed back and/or removed. (A. Freitag - DWR Sutter Yard) 05/12/2015 Tree growing near WS pipe end is getting too big and will affect the crossing. It needs to be cut back or removed. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe (permit records indicate 30-inch pipe, O&M pipe replaced with new 30-inch pipe) through the levee, 14 feet below the crown. Flap gate located on the waterside (WS) end. (36-inch pipe was removed and replaced under Permit No. 7209, 1970 - Department of Water Resources [DWR], replacement pipe size not referenced). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.04). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 158+35), listed as 36-inch CMP with steel flap valve, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3].
FS Date: 2/7/2019 11:18:00 AM

Photo 1 of 3 : UCIP_SP_2022_60129_78776.jpg



Overview of levee crown looking upstream towards crossing.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.00	Rating **	U	Issue No.	12 (cont)
LM End	3.00	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.149561 °	39.149561 °	
			-121.737080 °	-121.737080 °	
DWR ID	17077				

Photo 2 of 3 : UCIP_SP_2022_60129_78777.jpg



Overview of levee crown.

LM Start	3.00	Rating **	U	Issue No.	12 (cont)
LM End	3.00	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60129_78771.jpg



WS view: overview of WS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.28	Rating **	M	Issue No.	13	
LM End	3.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.153172 °	39.153172 °	
				-121.734741 °	-121.734741 °	
DWR ID	23098					
Comment Code						
Inspector Comment						
FS_ID:58005 DS_ID:23098 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 Record remains Non-Urgent due to no permit found authorizing conduit through the levee. Carsonite marker lists CVIN as owner. Contact phone number listed on marker to be used before digging is 855-442-6010. Need to contact owner to obtain permit authorizing conduit through levee. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/27/2016 Need photos of markers and levee overview. (O. Magana - DWR UCIP)04/19/2016 Crossing appears to be in good condition. No permit on file. (A. Freitag - DWR Sutter Yard)05/12/2015 No issues recorded during inspection but does not have a permit on file for it. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 No known permit for work. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 4-inch steel communication conduit through the levee, 2 feet below the crown. Fiber optics line attached to bottom of downstream side of South Butte Road bridge. Position marked with orange markers on both the waterside (WS) and landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/7/2019 11:19:00 AM						

Photo 1 of 3 : UCIP_SP_2022_58005_78779.jpg



WS view: overview of WS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.28	Rating **	M	Issue No.	13 (cont)	
LM End	3.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.153172 °	39.153172 °	
				-121.734741 °	-121.734741 °	
DWR ID	23098					

Photo 2 of 3 : UCIP_SP_2022_58005_78783.jpg



WS view: overview of bridge.

LM Start	3.28	Rating **	M	Issue No.	13 (cont)
LM End	3.28	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_58005_78780.jpg



WS view: conduit attached to bridge.

LM Start	3.29	Rating **	A/W	Issue No.	10
LM End	4.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.153320 °	39.171031 °
				-121.734573 °	-121.727040 °
DWR ID	DWR_ST0010_02_s_2022_10				
Comment Code					
Inspector Comment					
2018 Site ID: WAC 4.3 R					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2011 - Small erosion pocket. 2017 - Site extended downstream, significant lower bank erosion.					

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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Sutter Maintenance Yard Wadsworth Canal

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

from canal to levee slope and modify existing 22-inch pipe under Permit No. 10473-A, 1976 - Brown). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.35, listed as 22-inch pipe). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 174+63), listed as 24-inch steel pipe, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3].
FS Date: 2/7/2019 12:10:00 PM

LM Start	3.31	Rating **	U	Issue No.	14 (cont)
LM End	3.31	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_60131_64760.jpg



Rusted outlet at LS channel. Unclear if this is same pipe as one under investigation.

LM Start	3.31	Rating **	U	Issue No.	14 (cont)
LM End	3.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60131_78288.jpg



Overview photo of crossings from opposite bank. Pipe to left is associated with dsid 17078 and pipe to right is dsid 17081.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	15
LM End	3.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153530 °	39.153530 °
				-121.734620 °	-121.734620 °
DWR ID	17081				

Comment Code

Inspector Comment

FS_ID:60133
DS_ID:17081
EP_NO: 5622
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 02/07/2019 Record remains Urgent due to the unknown conditions through the levee and from the standpipe to LS exposed pipe section. The CVFPB - Enforcement Section is pursuing corrective actions for this pipe under CVFPB Enforcement Id (Enf ID) 14602. (O. Magana - DWR UCIP)10/04/2018 Pipe measured in the field: Pipe size is 14 inches instead of 15 inches, as previously referenced. Unable to locate the hole rusted through the 12-inch pipe previously referenced in 2013 due to dense vegetation. Crossing remains Urgent due to the unknown conditions through the levee and from the standpipe to LS exposed pipe section. Recommend video inspection through the crossing to determine pipe integrity. Notified J. Peterson with CVFPB - Enforcement Section about the updated inspection for this pipe. The CVFPB - Enforcement Section is pursuing corrective actions for this pipe under CVFPB Enforcement Id (Enf ID) 14602. (O. Magana - DWR UCIP)04/10/2017 WS appears to be in good condition. No repairs appear to have been made yet to the LS. Pipe measures to be 15". (A. Freitag - DWR Sutter Yard)10/12/2016 WS seems to be in good condition. No repairs have been made yet where the pipe appears to be leaking under the LS toe road. (A. Freitag - DWR Sutter Yard)04/19/2016 No repairs seem to have been made yet. Pipe still appears to be leaking under the LS toe road. (A. Freitag - DWR Sutter Yard)05/12/2015 Pipe appears to have not yet been repaired. Still looks to be leaking under the LS toe road. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Signs of leaks near concrete stand pipe on LS toe-road. Area about 20ft. long is muddy and there has not been any rain for a few weeks. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 2.7 feet below the crown. Vertical pumps located in the channel. Power pole on the waterside (WS) slope. Pipe discharges into 36-inch concrete standpipe located on the landside (LS) toe. 16-inch corrugated metal pipe (CMP) riser located on the LS shoulder. [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.35, two vertical pumps in channel. USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 174+60), listed as 15-inch pipe, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3]. FS Date: 2/7/2019 12:11:00 PM

Photo 1 of 3 : UCIP_SP_2022_60133_64764.jpg



Pump station in channel on WS

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	15 (cont)
LM End	3.31	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.153530 °	39.153530 °	
			-121.734620 °	-121.734620 °	
DWR ID	17081				

Photo 2 of 3 : UCIP_SP_2022_60133_64763.jpg



36in. concrete standpipe and 12in. cm riser on LS.

LM Start	3.31	Rating **	U	Issue No.	15 (cont)
LM End	3.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60133_64762.jpg



Inside of 36in. concrete riser

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

Levee Inspection Report By Mile - Spring 2022

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	3.31	Rating **	M	Issue No.	16
LM End	3.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153522 °	39.153522 °
				-121.734588 °	-121.734588 °
DWR ID	17085				
Comment Code					
Inspector Comment					
FS_ID:60134 DS_ID:17085 EP_NO: 10473 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 Record has been changed from No Action Needed to Non-Urgent due to the unknown status of the 12-inch pipe. Record needs further review. There appears to be some confusion between which 12-inch pipe was removed from the levee. The 12-inch pipe installed under Permit No. 10473 was installed in 1975 and there appears to be no record confirming the status of this pipe. (O. Magana - DWR UCIP)04/10/2017 Removed. (A. Freitag - DWR Sutter Yard)10/12/2016 Removed. (A. Freitag - DWR Sutter Yard)04/19/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)05/12/2105 Unable to locate. (A. Freitag - DWR Sutter Yard)11/18/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Not found. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *REMOVED* 12-inch steel irrigation pipe through the levee, 0.5 foot below the crown. Two vertical pumps in the channel. Two service poles located on the berm. Pipe discharges into channel at the landside (LS) toe of the levee. (12-inch pipe authorized under Permit No. 697, 1938 - Becker; 22-inch pipe removed and replaced with 12-inch pipe under Permit No. 5622, 1967 - Webb; 12-inch pipe authorized under Permit No. 10473 and 10473A, 1975 - Harold D. and Anna Belle S. Brown). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.35). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 174+60), listed as a 24-inch steel pipe, USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, (Station 174+63), page 2 of 3]. FS Date: 2/7/2019 12:11:00 PM					

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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	17
LM End	4.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166915 °	39.166915 °
				-121.728968 °	-121.728968 °
DWR ID	17079				

Comment Code

Inspector Comment

FS_ID:60135
DS_ID:17079
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent due to the gaps in the permit records. Unable to confirm whether the permit issued in 1946 is the permit authorizing the 14-inch pipe. Need to contact owner to confirm permit authorizing pipe crossing. UCIP's records indicate the pipe was authorized under Permit No. 1095 which means the pipe is about 74 years old. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. Pipe measures to be 14". (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing appears in good condition. No noticeable issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 2.2 feet below the crown. Pump in corrugated metal (CM) pump house located on the waterside (WS). Pipe discharges into a 36-inch concrete standpipe located on the landside (LS) toe. Service pole located on the WS shoulder. (Pipe of unknown size authorized under Permit No. 1095, 1946 - Williamson). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.33). USACE Sacramento O&M Manual, Unit 135, May 1953, (Station 226+00), USACE As-built Drawing No. 50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 or 3].
FS Date: 2/7/2019 12:12:00 PM

Photo 1 of 3 : UCIP_SP_2022_60135_78795.jpg



LS view: overview of LS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	17 (cont)
LM End	4.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166915 °	39.166915 °
				-121.728968 °	-121.728968 °
DWR ID	17079				

Photo 2 of 3 : UCIP_SP_2022_60135_78794.jpg



Overview of levee crown looking towards crossing.

LM Start	4.28	Rating **	M	Issue No.	17 (cont)
LM End	4.28	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60135_78796.jpg



WS view: overview of WS.

* 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	18
LM End	4.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166983 °	39.166983 °
				-121.728919 °	-121.728919 °
DWR ID	17070				
Comment Code					
Inspector Comment					
FS_ID:60136 DS_ID:17070 EP_NO: 4680 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 Record has been updated from No Action Needed to Non-Urgent due to modifications made to authorized encroachment. Unable to determine the status of the buried conduit and the permit authorizing the aerial lines at this location. (O. Magana - DWR UCIP)04/10/2017 Aerial lines. (A. Freitag - DWR Sutter Yard)10/12/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)05/12/2015 Crossing now appears to be an aerial line. No issues to report. (A. Freitag - DWR Sutter Yard)11/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/13/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/29/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)05/16/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/09/2012 Appears lines no longer cross levee at downstream side of bridge as there is no conduit. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch steel communication conduit (telephone cable inside) through the levee, 2.3 feet below the crown. Conduit line goes through Wadsworth Canal and its levees. Annular space between pipe and conduit grouted. Line is attached to the south side of the Butte House Road bridge (no longer attached in 2012). (4-inch conduit authorized under Permit No. 4680, 1964-Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.34)]. FS Date: 2/7/2019 12:12:00 PM					

Photo 1 of 3 : UCIP_SP_2022_60136_78803.jpg



Overview of levee crown where crossing goes through 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 Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/09/2022 03/09/2022	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	18 (cont)
LM End	4.28	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.166983 °	39.166983 °	
			-121.728919 °	-121.728919 °	
DWR ID	17070				

Photo 2 of 3 : UCIP_SP_2022_60136_78805.jpg



WS view: aerial power lines present but no markers of communication line, photo 1 of 2.

LM Start	4.28	Rating **	M	Issue No.	18 (cont)
LM End	4.28	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_60136_78806.jpg



WS view: aerial power lines present but no markers of communication line, photo 2 of 2.

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