

**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	5/9/2023 - 5/9/2023			
DWR Inspector	Nate Hicks			
Accompanied By	Cory Hutton DWR Sutter Yard			
	Makar Sokol DWR			

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

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				o
					o
DWR ID	DWR_ST0010_01_s _ 2013_10				
Comment Code					
OM : O&M Manuals					
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				o
					o
DWR ID	DWR_ST0010_01_s _ 2013_11				
Comment Code					
ES : Emergency Supplies & Equipment					
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				o
					o
DWR ID	DWR_ST0010_01_s _ 2013_12				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA completed flood fight training in 2021.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

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					

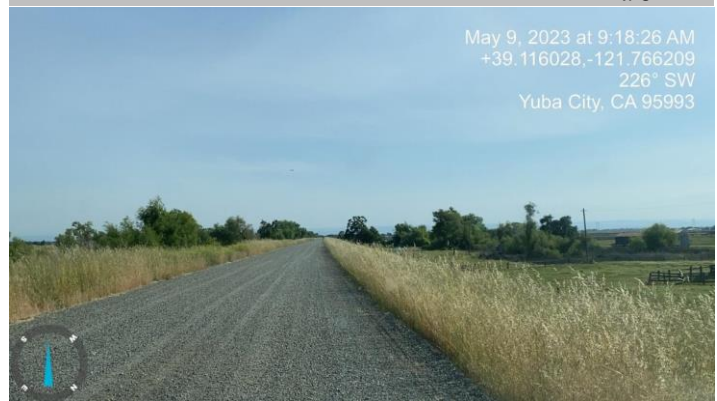
Photo 1 of 1 : SP\_2023\_ST0010\_42\_20\_20230509\_00003.jpg



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

LM Start	0.18	Rating **	U	Issue No.	8
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.115574°	39.171120°
				-121.766614°	-121.726488°
DWR ID	DWR_ST0010_01_s_2023_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_ST0010\_42\_8\_20230509\_00020.jpg



View of landside vegetation (Spring 2023).

LM Start	0.18	Rating **	U	Issue No.	9
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.115580°	39.171120°
				-121.766617°	-121.726488°
DWR ID	DWR_ST0010_01_s_2023_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_ST0010\_42\_9\_20230509\_00021.jpg



View of waterside vegetation (Spring 2023).

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

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\_2023\_ST0010\_42\_19\_20230509\_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\_2023\_ST0010\_42\_18\_20230509\_00001.jpg



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

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	1.25	Rating **	M	Issue No.	1	
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						
DS_ID:17060 FS_ID:60107 EP_NO: 13362 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit 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\_2023\_60107\_78669.jpg



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

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>1.25</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>1.25</b>	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\_2023\_60107\_78667.jpg



Overview of levee crown and WS.

LM Start	<b>1.25</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>1.25</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_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\_2023\_ST0010\_42\_21\_20230509\_00004.jpg



View of the waterside slope damaged by vehicle traffic. Spring 2021.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

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.	23
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.142127°	39.142127°
				-121.742346°	-121.742346°
DWR ID	DWR_ST0010_01_f_2022_23				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

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

LM Start	2.54	Rating **	M	Issue No.	13
LM End	2.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.143508°	39.143508°
				-121.741353°	-121.741353°
DWR ID	DWR_ST0010_01_s _ 2023_13				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	3.04	Rating **	M	Issue No.	2
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**

DS\_ID:17065  
FS\_ID:60113  
EP\_NO: 7209  
Repair Type: Non-Urgent  
EVAL Issue: 11, Maintenance Compliance Issue  
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\_2023\_60113\_78688.jpg



LS view: overview of LS.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>3.04</b>	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\_2023\_60113\_78687.jpg



Overview of levee crown looking downstream at crossing.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60113\_78686.jpg



WS view: overview of WS.

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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## Sutter Maintenance Yard Wadsworth Canal

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

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

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2023\_60147\_78701.jpg



Overview of levee crown looking upstream towards crossing.

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60147\_78702.jpg



LS view: power pole located on LS.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	4.31	Rating **	M	Issue No.	4
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					
DS_ID:17067 FS_ID:60115 EP_NO: 4680 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit 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\_2023\_60115\_78705.jpg



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

* 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	

## Sutter Maintenance Yard Wadsworth Canal

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	4.32	Rating **	M	Issue No.	5	
LM End	4.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.167098°	39.167098°	
				-121.728341°	-121.728341°	
DWR ID	17058					
Comment Code						
Inspector Comment						
DS_ID:17058						
FS_ID:60116						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue:						
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\_2023\_60116\_78707.jpg



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

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/09/2023 05/09/2023	Nate Hicks

LM Start	4.32	Rating **	M	Issue No.	5 (cont)	
LM End	4.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.167098°	39.167098°	
				-121.728341°	-121.728341°	
DWR ID	17058					

Photo 2 of 3 : UCIP\_SP\_2023\_60116\_78708.jpg



Overview of levee crown where crossing should be.

LM Start	<b>4.32</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_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

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

**Sutter Maintenance Yard 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	5/9/2023 - 5/9/2023			
DWR Inspector	Nate Hicks			
Accompanied By	Cory Hutton DWR Sutter Yard			
	Makar Sokol DWR			

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	0.01	Rating **	U	Issue No.	13
LM End	4.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.114282°	39.170972°
				-121.769398°	-121.727272°
DWR ID	DWR_ST0010_02_s_2023_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_ST0010\_43\_13\_20230509\_00032.jpg



View of landside vegetation (Spring 2023).

LM Start	0.01	Rating **	U	Issue No.	14
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.114282°	39.170967°
				-121.769396°	-121.727275°
DWR ID	DWR_ST0010_02_s_2023_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

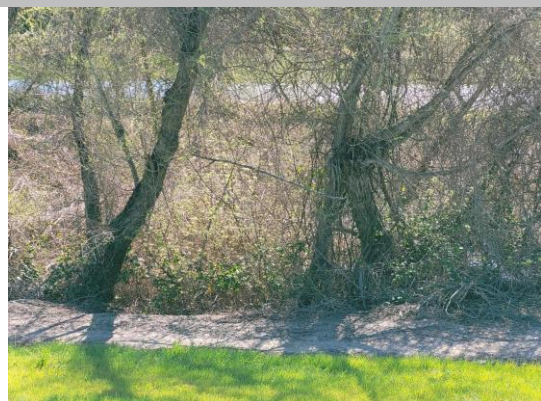
Photo 1 of 1 : SP\_2023\_ST0010\_43\_14\_20230509\_00033.jpg



View of waterside vegetation (Spring 2023).

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. Erosion is cutting into the patrol road.					

Photo 1 of 1 : SP\_2023\_ST0010\_43\_24\_20230509\_00005.jpg



View of the erosion at the waterside toe/patrol road. Spring 2022.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	1.15	Rating **	M	Issue No.	27
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.127457°	39.127457°
				-121.756527°	-121.756527°
DWR ID	DWR_ST0010_02_f_2022_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_ST0010\_43\_27\_20230509\_00006.jpg



View of animal burrows along the waterside slope. Fall 2022.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	1.24	Rating **	M	Issue No.	1
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					
DS_ID:17071 FS_ID:60120 EP_NO: 13362 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit 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\_2023\_60120\_64732.jpg



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

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>1.24</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>1.24</b>	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\_2023\_60120\_78727.jpg



Overview of levee crown looking towards where crossing should be.

LM Start	<b>1.24</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>1.24</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_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	Slope Stability			39.130768 °	39.130768 °
				-121.753336 °	-121.753336 °
DWR ID	DWR_ST0010_02_s_2022_25				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

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\_2023\_ST0010\_43\_20\_20230509\_00002.jpg



View of the slope erosion along the waterside slope. Fall 2022.

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					
Monitor for new activity.					

Photo 1 of 1 : SP\_2023\_ST0010\_43\_11\_20230509\_00001.jpg



View of the rodent holes above the irrigation pipe. Spring 2021.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	1.76	Rating **	M	Issue No.	2
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**

DS\_ID:17074  
FS\_ID:60150  
EP\_NO: 1096  
Repair Type: Non-Urgent  
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
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\_2023\_60150\_78743.jpg



LS view: overview of LS looking upstream towards pipe.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.76</b>	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\_2023\_60150\_78742.jpg



Overview of levee crown at pipe crossing.

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60150\_78744.jpg



WS view: overview of WS looking upstream towards pipe.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	1.76	Rating **	M	Issue No.	3
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**

DS\_ID:17082  
FS\_ID:60125  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
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\_2023\_60125\_64736.jpg



Pipe on LS showing rodent activity.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.76</b>	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\_2023\_60125\_64734.jpg



Pipe on left without pump.

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60125\_78749.jpg



Overview of levee crown.

LM Start	1.84	Rating **	M	Issue No.	29
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.135412°	39.135412°
				-121.748835°	-121.748835°
DWR ID	DWR_ST0010_02_f_2022_29				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	1.91	Rating **	M	Issue No.	28
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.136275°	39.136275°
				-121.748134°	-121.748134°
DWR ID	DWR_ST0010_02_f_2022_28				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_ST0010\_43\_28\_20230509\_00007.jpg



View of a depression in the waterside slope. Fall 2022.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	2.09	Rating **	M	Issue No.	4
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**

DS\_ID:17075  
FS\_ID:60126  
EP\_NO: 1859  
Repair Type: Non-Urgent  
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
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 - Thomasen). [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\_2023\_60126\_78759.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 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	2.09	Rating **	M	Issue No.	4 (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\_2023\_60126\_78757.jpg



Overview of levee crown.

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_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

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	2.50	Rating **	M	Issue No.	30
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.143480°	39.143480°
				-121.742137°	-121.742137°
DWR ID	DWR_ST0010_02_f_2022_30				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

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\_2023\_ST0010\_43\_21\_20230509\_00003.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\_2023\_ST0010\_43\_22\_20230509\_00004.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	3.00	Rating **	U	Issue No.	5
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**

DS\_ID:17077  
 FS\_ID:60129  
 EP\_NO: 7209  
 Repair Type: Urgent  
 EVAL Issue: 1, Pipe Integrity  
 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\_2023\_60129\_78776.jpg



Overview of levee crown looking upstream towards crossing.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	3.00	Rating **	U	Issue No.	5 (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\_2023\_60129\_78777.jpg



Overview of levee crown.

LM Start	<b>3.00</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>3.00</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60129\_78771.jpg



WS view: overview of WS.

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

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	3.31	Rating **	U	Issue No.	6
LM End	3.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153491°	39.153491°
				-121.734636°	-121.734636°
DWR ID	17078				

**Comment Code**

**Inspector Comment**

DS\_ID:17078  
FS\_ID:60131  
EP\_NO: 10473  
Repair Type: Urgent  
EVAL Issue: 1, Pipe Integrity  
Crossing Status: Found  
UCIP Comments: 02/07/2019 Record remains Urgent due to two sink holes present on the LS slope. 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 Two sink holes visible on the LS slope. Crossing has been upgraded from Non-Urgent to Urgent because there are signs that the pipe has failed through the LS slope. Recommend video inspection to confirm pipe failure through the levee. Need to coordinate with CVFPB to have them contact the owner of the crossing. Unable to determine the extent of damage (size of sink holes) due to dense vegetation. Notified J. Peterson with CVFPB - Enforcement Section about the updated inspection for this pipe (sink holes now present). 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 to the LS yet. Pipe measures to be 16". (A. Freitag - DWR Sutter Yard)10/12/2016 WS appears to be in good condition. LS is still very rusted where it extends over the LS ditch. (A. Freitag - DWR Sutter Yard)04/19/2016 No changes have been made to this crossing. LS pipe outlet is still very rusted. (A. Freitag - DWR Sutter Yard)

05/12/2015 Pipe is very rusty at Outlet in LS channel. No noticeable issues with 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 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 shows signs of heavy rust at outlet in channel. Good candidate for video inspection. (W. Wylie - DWR UCIP)

FIELD\_STRUCT\_DESC: 16-inch asphalt coated steel irrigation pipe through the levee, 2.7 feet below the crown. 16-inch pipe was measured during the UCIP field inspection. Record sources at this location reference the following pipe diameter size: USACE O&M manual references a 24-inch pipe, levee log references a 22-inch pipe, and permit records reference a 22-inch pipe. Unable to determine if original 22-inch pipe is still present through the levee. Vertical pump in the channel with a service pole on the waterside (WS) berm. Pipe discharges into a 36-inch concrete standpipe located on the landside (LS) toe of the levee. (Retain existing 22-inch pipe through levee and remove existing 12-inch pipe and replaced with 12-inch pipe under Permit No. 5622, 1967 - Webb. Remove 12-inch pipe and replace with

Photo 1 of 3 : UCIP\_SP\_2023\_60131\_64761.jpg



Pump on steel pier at WS toe.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

12-inch pipe under Permit No. 10473, 1976 - Brown. Install 16-inch pipe 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	<b>3.31</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>3.31</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2023\_60131\_64760.jpg



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

LM Start	<b>3.31</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>3.31</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_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	** Rating	+ Issue Type
LS: Land Side WS: Water Side CR: Crown	A: Acceptable M: Minimally Acceptable U: Unacceptable	Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
N/A: Not Applicable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	3.31	Rating **	U	Issue No.	7
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**

DS\_ID:17081  
FS\_ID:60133  
EP\_NO: 5622  
Repair Type: Urgent  
EVAL Issue: 1, Pipe Integrity  
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\_2023\_60133\_64764.jpg



Pump station in channel on WS

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>3.31</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>3.31</b>	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\_2023\_60133\_64763.jpg



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

LM Start	<b>3.31</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>3.31</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60133\_64767.jpg



Approx 24in. diameter concrete pipe tees from bottom of standpipe and heads south towards Southbutte road to unknow location.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	4.28	Rating **	M	Issue No.	12
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					
DS_ID:17070 FS_ID:60136 EP_NO: 4680 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit 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\_2023\_60136\_78803.jpg



Overview of levee crown where crossing goes through levee.

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

**Levee Inspection Report By Mile - Spring 2023**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/09/2023 05/09/2023	Nate Hicks

LM Start	<b>4.28</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>4.28</b>	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\_2023\_60136\_78805.jpg



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

LM Start	<b>4.28</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>4.28</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_60136\_78806.jpg



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

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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