

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	3/26/2024 - 3/26/2024			
DWR Inspector	Nate Hicks			
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 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	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			°	
				°	
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			°	
				°	
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			°	
				°	
DWR ID	DWR_ST0010_01_s _ 2013_12				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA completed flood fight training in 2021 and has another one scheduled.					

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 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	0.06	Rating **	U	Issue No.	24
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.114203°	39.114203°
				-121.768015°	-121.768015°
DWR ID	DWR_ST0010_01_s_2024_24				
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_2024_ST0010_42_24_20240402_00021.jpg



View of animal burrow along the waterside toe road (Spring 2024).

LM Start	0.06	Rating **	A/W	Issue No.	20
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.114203°	39.115719°
				-121.768015°	-121.766517°
DWR ID	DWR_ST0010_01_f_2016_20				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2024_ST0010_42_20_20240308_00004.jpg



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

LM Start	0.36	Rating **	M	Issue No.	9
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.117622°	39.117622°
				-121.764763°	-121.764763°
DWR ID	DWR_ST0010_01_s_2024_9				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					
Fallen tree with exposed root ball on the waterside toe road may lead to future erosion.					

Photo 1 of 1 : SP_2024_ST0010_42_9_20240402_00022.jpg



View of fallen tree with exposed root ball on the waterside toe road (Spring 2024).

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	0.37	Rating **	A/W	Issue No.	19
LM End	0.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.117805°	39.118276°
				-121.764588°	-121.764151°
DWR ID	DWR_ST0010_01_f_2016_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2024_ST0010_42_19_20240402_00023.jpg



View of the erosion along the waterside toe road (Spring 2024).

LM Start	0.53	Rating **	M	Issue No.	13
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.119634°	39.120052°
				-121.762851°	-121.762469°
DWR ID	DWR_ST0010_01_s_2024_13				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					
Fallen trees along the waterside toe road have damaged the waterside toe road and may lead to future erosion.					

Photo 1 of 1 : SP_2024_ST0010_42_13_20240402_00024.jpg



View of fallen trees and erosion along the waterside toe road (Spring 2024).

LM Start	1.10	Rating **	M	Issue No.	15
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.126265°	39.126657°
				-121.756561°	-121.756178°
DWR ID	DWR_ST0010_01_s_2024_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion along the waterside toe road.					

Photo 1 of 1 : SP_2024_ST0010_42_15_20240402_00026.jpg



View of erosion along the waterside toe road (Spring 2024).

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.25	Rating **	M	Issue No.	25
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.128027° -121.754849°	39.128027° -121.754849°
DWR ID	17060				

Comment Code**Inspector Comment**

DS_ID:17060
FS_ID:83609
EP_NO: 13362
Repair Type: Non-Urgent
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Indicator Found
UCIP Comments: 04/29/2024 Record remains Non-Urgent. Unable to determine if old conduit was abandoned through the levee or if it was modified to become an aerial crossing now. Communication pedestal boxes located near toe is indicative that the 4-inch steel conduit is still present within the levee. (M. Thao - DWR UCIP)
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: 4/29/2024 12:56:57 PM

Photo 1 of 3 : UCIP_SP_2024_83609_122534.jpg



Levee crown looking upstream.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.25	Rating **	M	Issue No.	25 (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_2024_83609_122535.jpg



LS view: Utility poles and communication pedestal boxes located near toe.

LM Start	1.25	Rating **	M	Issue No.	25 (cont)
LM End	1.25	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2024_83609_122536.jpg



WS view: General overview looking from crown.

LM Start	1.27	Rating **	C	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					
Corrected.					

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

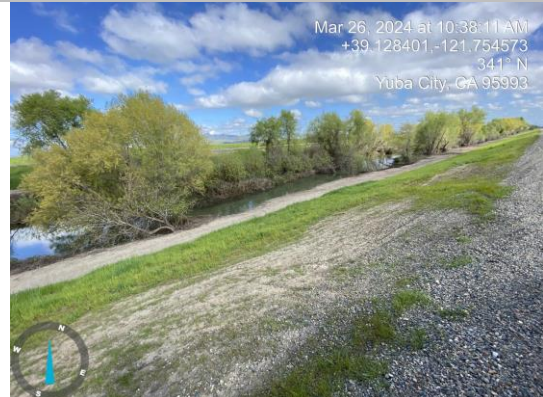
Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.27	Rating **	M	Issue No.	22
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.128319°	39.128730°
				-121.754581°	-121.754187°
DWR ID	DWR_ST0010_01_s _ 2024_22				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion along the waterside toe road.					

Photo 1 of 1 : SP_2024_ST0010_42_22_20240402_00027.jpg



View of erosion along the waterside toe road (Spring 2024).

LM Start	1.40	Rating **	M	Issue No.	23
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.129831°	39.130027°
				-121.753145°	-121.752950°
DWR ID	DWR_ST0010_01_s _ 2024_23				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion along the waterside toe road.					

Photo 1 of 1 : SP_2024_ST0010_42_23_20240402_00028.jpg



View of erosion along the waterside toe road (Spring 2024).

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 _ 2024_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

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	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	2.76	Rating **	M	Issue No.	8
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.146163°	39.146163°
				-121.739181°	-121.739181°
DWR ID	DWR_ST0010_01_f _ 2023_8				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2024_ST0010_42_8_20240308_00001.jpg



View of indentation along the waterside slope (Fall 2023).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	3.04	Rating **	A	Issue No.	26
LM End	3.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.149549°	39.149549°
				-121.736408°	-121.736408°
DWR ID	17065				

Comment Code**Inspector Comment**

DS_ID:17065
FS_ID:83620
EP_NO: 7209
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/06/2024 Record remains No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. No issues observed during inspection. (M. Thao - DWR UCIP)
09/25/2023 DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (J. Taylor - DWR UCIP)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 CIPP-lined 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. This crossing replaces 36-inch pipe (see DSID 25618). (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].

Photo 1 of 3 : UCIP_SP_2024_83620_122556.jpg



Levee crown looking upstream.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

FS Date: 5/6/2024 1:36:46 PM

LM Start	3.04	Rating **	A	Issue No.	26 (cont)
LM End	3.04	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2024_83620_122557.jpg



LS view: Pipe inlet located at the toe; looking toward levee.

LM Start	3.04	Rating **	A	Issue No.	26 (cont)
LM End	3.04	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_83620_122558.jpg



LS view: Looking into pipe inlet located at the toe; pipe has been CIPP lined.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	3.50	Rating **	M	Issue No.	27
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**

DS_ID:17066
FS_ID:83622
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit
Crossing Status: Found
UCIP Comments: 05/06/2024 Record remains Non-Urgent. 14-inch steel pipe on the WS instead of a 24-inch pipe as referenced in the O&M Manual; unable to find a permit for modification. Crossing appears abandoned and no longer be in use due to the debris and growing tree that have completely covered the outlet pipe at the LS headwall. No permit has been identified authorizing pipe. (M. Thao - DWR UCIP) 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

Photo 1 of 2 : UCIP_SP_2024_83622_122569.jpg



WS view: 14-inch intake pipe, pump, utility pole, and meter; looking from crown.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

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].
FS Date: 5/6/2024 3:20:12 PM

LM Start	3.50	Rating **	M	Issue No.	27 (cont)
LM End	3.50	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2024_83622_122567.jpg



WS view: 14-inch intake pipe and pump looking from across channel.

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	4.31	Rating **	M	Issue No.	28	
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:83668 EP_NO: 4680 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Indicator Found UCIP Comments: 05/06/2024 Record remains Non-Urgent. No indication of buried conduit crossing levee; however, utility pole with electric box located approximately 225 feet from levee centerline. Buried line may have been modified to an aerial crossing located on the north side of Butte House Road. (M. Thao - DWR UCIP) 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: 5/6/2024 2:15:06 PM						

Photo 1 of 3 : UCIP_SP_2024_83668_122718.jpg



Levee crown looking upstream.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	4.31	Rating **	M	Issue No.	28 (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_2024_83668_122719.jpg



LS view: General overview looking from crown; utility pole with electric box located approximately 225 feet from levee centerline.

LM Start	4.31	Rating **	M	Issue No.	28 (cont)
LM End	4.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2024_83668_122720.jpg



LS view: Close-up view of utility pole with electric box located approximately 225 feet from levee centerline.

* 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 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	4.32	Rating **	M	Issue No.	29	
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:83673 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 05/06/2024 Record remains Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. (M. Thao - DWR UCIP) 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: 5/6/2024 2:26:47 PM						

Photo 1 of 3 : UCIP_SP_2024_83673_122741.jpg



Levee crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/26/2024 03/26/2024	Nate Hicks

LM Start	4.32	Rating **	M	Issue No.	29 (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_2024_83673_122740.jpg



LS view: General overview looking from crown.

LM Start	4.32	Rating **	M	Issue No.	29 (cont)
LM End	4.32	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_83673_122742.jpg



WS view: General overview looking from crown.

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	3/26/2024 - 3/26/2024			
DWR Inspector	Nate Hicks			
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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

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_2024_ST0010_43_24_20240308_00005.jpg



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

LM Start	0.45	Rating **	U	Issue No.	16
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.119381°	39.119381°
				-121.764372°	-121.764372°
DWR ID	DWR_ST0010_02_s_2024_16				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove tree off the waterside slope and toe road.					

Photo 1 of 1 : SP_2024_ST0010_43_16_20240402_00031.jpg



View of tree limbs on waterside slope (Spring 2024).

LM Start	0.66	Rating **	M	Issue No.	15
LM End	0.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.121813°	39.121813°
				-121.762018°	-121.762018°
DWR ID	DWR_ST0010_02_s_2024_15				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim tree off the waterside slope and toe road.					

Photo 1 of 1 : SP_2024_ST0010_43_15_20240402_00032.jpg



View of tree limbs on waterside slope and toe road (Spring 2024).

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	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					

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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.24	Rating **	M	Issue No.	30	
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:83686 EP_NO: 13362 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Indicator Found UCIP Comments: 04/29/2024 Record remains Non-Urgent. No indication of buried communication conduit. Unable to determine if conduit was abandoned through the levee or if it was modified to become an aerial crossing now. Two aerial lines cross over levee and attach to a wooden utility pole on the LS. (M. Thao - DWR UCIP) 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: 5/6/2024 4:01:28 PM						

Photo 1 of 3 : UCIP_SP_2024_83686_122775.jpg



Levee crown looking downstream; aerial lines crossing over levee.

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.24	Rating **	M	Issue No.	30 (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_2024_83686_122774.jpg



LS view: General overview looking from crown; wooden utility pole near toe.

LM Start	1.24	Rating **	M	Issue No.	30 (cont)
LM End	1.24	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2024_83686_122776.jpg



WS view: General overview looking from crown; aerial lines crossing over levees and canal.

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

* 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 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.65	Rating **	M	Issue No.	14
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.133252°	39.133252°
				-121.750926°	-121.750926°
DWR ID	DWR_ST0010_02_s_2024_14				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2024_ST0010_43_14_20240402_00033.jpg



View of vehicle erosion on the waterside slope (Spring 2024).

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					
Vehicle traffic has caused what appears to be an unpermitted ramp to form on the waterside slope.					

Photo 1 of 1 : SP_2024_ST0010_43_20_20240308_00002.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.76	Rating **	C	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					
Corrected.					

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 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.76	Rating **	M	Issue No.	31
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:83690
EP_NO: 1096
Repair Type: Non-Urgent
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit
Crossing Status: Found
UCIP Comments: 05/06/2024 Record remains Non-Urgent. Crossing appears to be modified; concrete standpipe is no longer present on LS and pipe near pump on WS is 20-inch instead of 16-inch. Unable to find a permit for modification. LS shoulder is damp which is indicative of a leak; recommend repairing leak if there is one. (M. Thao - DWR UCIP) 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: 5/6/2024 4:21:07 PM

Photo 1 of 2 : UCIP_SP_2024_83690_122780.jpg



LS view: Levee shoulder is damp; pipe on left is associated with this record.

* 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 2024

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.76	Rating **	M	Issue No.	31 (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 2 : UCIP_SP_2024_83690_122782.jpg



WS view: Pump on steel pile structure; pipe on right and appurtenances are associated with this record.

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	1.76	Rating **	M	Issue No.	32
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:83696

EP_NO: N/A

Repair Type: Non-Urgent

EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit
Crossing Status: Found

UCIP Comments: 05/06/2024 Record remains Non-Urgent. Crossing appears to be modified; concrete standpipe is no longer present on LS. Unable to find a permit for modification. LS shoulder is damp which is indicative of a leak; recommend repairing leak if there is one. Crossing appears abandoned due to removed pump on WS. Unable to locate a permit and confirm proper pipe abandonment. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (M. Thao - DWR UCIP)

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].

Photo 1 of 1 : UCIP_SP_2024_83696_122796.jpg



LS view: Levee shoulder is damp; pipe on right is associated with this record.

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

FS Date: 5/6/2024 11:36:52 AM

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

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_2024_ST0010_43_28_20240308_00006.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

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

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					
Vehicle traffic has caused what appears to be an unpermitted ramp to form on the waterside slope.					

Photo 1 of 1 : SP_2024_ST0010_43_21_20240308_00003.jpg



View of the ramp encroaching into the levee (Fall 2023).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	2.95	Rating **	C	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					
Corrected.					

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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	3.00	Rating **	A	Issue No.	33
LM End	3.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.149561°	39.149561°
				-121.737080°	-121.737080°
DWR ID	17077				

Comment Code**Inspector Comment**

DS_ID:17077
FS_ID:83700
EP_NO: 7209
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/06/2024 Record remains No Action Needed. DMP internal video inspection has found none or minor pipe defects. No issues observed during inspection. (M. Thao - DWR UCIP)
09/15/2023 Record updated from Urgent to No Action Needed. Pipe was CIPP lined on April 21, 2021. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 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 CIPP-lined 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: 5/6/2024 12:52:17 PM

Photo 1 of 3 : UCIP_SP_2024_83700_122809.jpg



Levee crown looking downstream.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	3.00	Rating **	A	Issue No.	33 (cont)
LM End	3.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2024_83700_122811.jpg



LS view: General overview looking from crown.

LM Start	3.00	Rating **	A	Issue No.	33 (cont)
LM End	3.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_83700_122812.jpg



LS view: Looking into pipe inlet near toe.

LM Start	3.21	Rating **	M	Issue No.	13
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			39.152188°	39.152188°
				-121.735279°	-121.735279°
DWR ID	DWR_ST0010_02_s_2024_13				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Appears to be tractor ruts on the waterside slope.					

Photo 1 of 1 : SP_2024_ST0010_43_13_20240402_00034.jpg



View of vehicle ruts on the waterside slope (Spring 2024).

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

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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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	3.31	Rating **	U	Issue No.	34
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:83715
EP_NO: 10473
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 05/06/2024 Record remains Urgent. Tall vegetation prevent proper inspection on the LS; therefore, unable to observe sink holes previously noted in past inspections. No issues observed on WS during inspection. (M. Thao - DWR UCIP)
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

Photo 1 of 2 : UCIP_SP_2024_83715_78784.jpg



LS view: section LMA has sectioned off due to evidence of sink hole.

* 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	Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

(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 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: 5/6/2024 2:11:36 PM

LM Start	3.31	Rating **	U	Issue No.	34 (cont)
LM End	3.31	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2024_83715_78785.jpg



LS view: close up of exposed pipe section where sink hole is present.

* 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 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	3.31	Rating **	U	Issue No.	35
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:83716
EP_NO: 5622
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 05/06/2024 Record remains Urgent. Tall vegetation prevent proper inspection on the LS; therefore, unable to observe signs holes rusted through pipe and leaks noted in past inspections. No issues observed on WS during inspection. (M. Thao - DWR UCIP) 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.

Photo 1 of 2 : UCIP_SP_2024_83716_64765.jpg



Wet spot on LS toe-road. Suspect seepage from concrete standpipe.

* 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	Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

50-04-1949, Drawing No. 2, Sheet 3, March 1952, page 2 of 3].
FS Date: 5/6/2024 2:47:01 PM

LM Start	3.31	Rating **	U	Issue No.	35 (cont)
LM End	3.31	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2024_83716_64769.jpg



Hole rusted through 12in. pipe on west side of LS channel. Pipe has split into two pieces and is no longer continuous.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/26/2024 03/26/2024	Nate Hicks

LM Start	4.28	Rating **	M	Issue No.	36
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:83724 EP_NO: 4680 Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Indicator Found UCIP Comments: 05/06/2024 Record remains Non-Urgent. Crossing appears to have been modified; pipe is no longer secured to downstream side of Butte House Road bridge. The crossing might now be the aerial line crossing overhead. Unable to find a permit for modification. (M. Thao - DWR UCIP) 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: 5/6/2024 3:40:02 PM					

Photo 1 of 1 : UCIP_SP_2024_83724_78804.jpg



WS view: no conduit is attached to bridge.

* 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	