

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2019 Levee Inspection Results**

**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**

**Spring 2019 Levee Inspection Results**

**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	5/8/2019 - 5/8/2019			
DWR Inspector	Makar Sokol			
Accompanied By	David Julian DWR DFM			

**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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

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

No Photos

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

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_ST0010_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2018.					

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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	108	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.113670 °	39.113670 °	
				-121.768310 °	-121.768310 °	
DWR ID	17068					
Comment Code						
Inspector Comment						
FS_ID:53741 DS_ID:17068 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/12/2016 Unable to locate.(DWR Sutter Yard - afreitag)4/19/2016 Unable to locate.5/12/2015 Unable to locate.11/18/2014 Unable to locate.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/09/2012 Need to determine disposition of pipe, contact pipe owner if possible. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3.5-inch steel gas line through the levee, 3 feet below the crown. Gas line goes through both levees and Wadsworth Canal. Waterside (WS) bank protected by rock. (3-inch line authorized under Permit No. 5296, 1966 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 2/7/2019 2:48:00 PM						

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>108 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53741\_78653.jpg



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

Photo 2 of 3 : UCIP\_SP\_2019\_53741\_78654.jpg



Overview of levee crown at location where crossing should be.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	108 (cont)
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.113670 °	39.113670 °
				-121.768310 °	-121.768310 °
DWR ID	17068				
Comment Code					
Inspector Comment					
FS_ID:53741 DS_ID:17068 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/12/2016 Unable to locate.(DWR Sutter Yard - afreitag)4/19/2016 Unable to locate.5/12/2015 Unable to locate.11/18/2014 Unable to locate.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/09/2012 Need to determine disposition of pipe, contact pipe owner if possible. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3.5-inch steel gas line through the levee, 3 feet below the crown. Gas line goes through both levees and Wadsworth Canal. Waterside (WS) bank protected by rock. (3-inch line authorized under Permit No. 5296, 1966 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 2/7/2019 2:48:00 PM					

Photo 3 of 3 : UCIP\_SP\_2019\_53741\_78655.jpg



LS view: No markers visible on LS.

LM Start	0.03	Rating **	U	Issue No.	2
LM End	4.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.113804 °	39.170986 °
				-121.768283 °	-121.726687 °
DWR ID	DWR_ST0010_01_s_2012_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_ST0010\_42\_2\_20190510\_00052.jpg



View of the vegetation on the landside slope. Spring 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	0.03	Rating **	U	Issue No.	9
LM End	4.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.113805 °	39.170986 °
				-121.768283 °	-121.726687 °
DWR ID	DWR_ST0010_01_s_2012_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_ST0010\_42\_9\_20190510\_00053.jpg



View of the vegetation on the waterside slope. Spring 2019.

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\_2019\_ST0010\_42\_20\_20190327\_00013.jpg



View of the erosion along the waterside toe.

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\_2019\_ST0010\_42\_19\_20190327\_00012.jpg



View of the erosion along the waterside toe.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	0.50	Rating **	U	Issue No.	22
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.119348 °	39.119348 °
				-121.763120 °	-121.763120 °
DWR ID	DWR_ST0010_01_f_2017_22				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the beaver hole along the waterside berm.					

Photo 1 of 1 : SP\_2019\_ST0010\_42\_22\_20190327\_00014.jpg



View of the beaver hole along the waterside berm.

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\_2019\_ST0010\_42\_18\_20190327\_00011.jpg



View of the erosion along the waterside toe caused by a tree that fell into the water.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.21	Rating **	M	Issue No.	109
LM End	1.21	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.127566 °	39.127566 °	
			-121.755282 °	-121.755282 °	
DWR ID	17059				

**Comment Code**

**Inspector Comment**

FS\_ID:53591  
DS\_ID:17059  
EP\_NO: 1605  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned. (DWR Sutter Yard- A Freitag)10/12/2016 Abandoned crossing.(DWR Sutter Yard - a Freitag)4/16/2016 Abandoned crossing. Ws pipe end is open and should be capped.5/12/2015 Abandoned crossing. Needs to be properly abandoned.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/09/2012 No pump on Pier and power lines cut. Apparently abandoned-should be abandoned properly. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 18-inch steel irrigation pipe (permit records indicate 16-inch pipe, 18-inch diameter field verified) through the levee, 3.7 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump on channel bank on steel structure. (16-inch pipe authorized under Permit No. 1605, 1959 - Schnabel; Aerial 12 KV power line extension for pump authorized under Permit No. 1631, 1959 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005].  
FS Date: 2/7/2019 2:48:00 PM

LM Start	1.21	Rating **	M	Issue No.	109 (cont)
LM End	1.21	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53591\_78658.jpg



LS view: overview of LS looking downstream.

Photo 2 of 3 : UCIP\_SP\_2019\_53591\_78656.jpg



Overview of levee crown at pipe crossing.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.21	Rating **	M	Issue No.	109 (cont)	
LM End	1.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.127566 °	39.127566 °	
				-121.755282 °	-121.755282 °	
DWR ID	17059					
Comment Code						
Inspector Comment						
FS_ID:53591 DS_ID:17059 EP_NO: 1605 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned. (DWR Sutter Yard- A Freitag)10/12/2016 Abandoned crossing.(DWR Sutter Yard - A Freitag)4/16/2016 Abandoned crossing. Ws pipe end is open and should be capped.5/12/2015 Abandoned crossing. Needs to be properly abandoned.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/09/2012 No pump on Pier and power lines cut. Apparently abandoned-should be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation pipe (permit records indicate 16-inch pipe, 18-inch diameter field verified) through the levee, 3.7 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump on channel bank on steel structure. (16-inch pipe authorized under Permit No. 1605, 1959 - Schnabel; Aerial 12 KV power line extension for pump authorized under Permit No. 1631, 1959 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 2/7/2019 2:48:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53591\_78657.jpg



WS view: overview of WS looking downstream.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.22	Rating **	M	Issue No.	110
LM End	1.22	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127674 °	39.127674 °
				-121.755182 °	-121.755182 °
DWR ID	17083				
Comment Code					
Inspector Comment					
FS_ID:53595 DS_ID:17083 EP_NO: 17478 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 8-inch steel gas line bored across and under Wadsworth Canal and its levees, approximately 30 and 60 feet below channel and levees. Line was replaced to allow for the county to replace bridge over Wadsworth Canal. Gas line markers present on Franklin Roadside. (8-inch gas line authorized and existing 12-inch line removed under Permit No. 17478 and 17478-R, 2002 - Pacific Gas & Electric Company [PG&E]). FS Date: 2/7/2019 2:49:00 PM					

LM Start	1.22	Rating **	M	Issue No.	110 (cont)
LM End	1.22	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53595\_78664.jpg



LS view: gas marker visible by gate located on LS toe near first power pole.

Photo 2 of 3 : UCIP\_SP\_2019\_53595\_78662.jpg



Overview of levee crown at pipe crossing.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.22	Rating **	M	Issue No.	110 (cont)	
LM End	1.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.127674 °	39.127674 °	
				-121.755182 °	-121.755182 °	
DWR ID	17083					
Comment Code						
Inspector Comment						
FS_ID:53595 DS_ID:17083 EP_NO: 17478 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 8-inch steel gas line bored across and under Wadsworth Canal and its levees, approximately 30 and 60 feet below channel and levees. Line was replaced to allow for the county to replace bridge over Wadsworth Canal. Gas line markers present on Franklin Roadside. (8-inch gas line authorized and existing 12-inch line removed under Permit No. 17478 and 17478-R, 2002 - Pacific Gas & Electric Company [PG&E]). FS Date: 2/7/2019 2:49:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53595\_78663.jpg



WS view: marker just immediately upstream from 18-inch pipe crossing.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.25	Rating **	M	Issue No.	111
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.128027 °	39.128027 °	
			-121.754849 °	-121.754849 °	
DWR ID	17060				

**Comment Code**

**Inspector Comment**

FS\_ID:53593  
DS\_ID:17060  
EP\_NO: 13362  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/11/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/09/2012 No pipe on downstream side of bridge. It is likely that this com line is now an arial. 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].  
FS Date: 2/7/2019 2:49:00 PM

LM Start	1.25	Rating **	M	Issue No.	111 (cont)
LM End	1.25	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53593\_78669.jpg



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

Photo 2 of 3 : UCIP\_SP\_2019\_53593\_78667.jpg



Overview of levee crown and WS.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.25	Rating **	M	Issue No.	111 (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					
Comment Code						
Inspector Comment						
FS_ID:53593 DS_ID:17060 EP_NO: 13362 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/11/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/09/2012 No pipe on downstream side of bridge. It is likely that this com line is now an arial. 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]. FS Date: 2/7/2019 2:49:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53593\_78668.jpg



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

LM Start	1.75	Rating **	M	Issue No.	7
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.133887 °	39.141757 °
				-121.749526 °	-121.742939 °
DWR ID	DWR_ST0010_01_f_2018_7				
Comment Code					
Inspector Comment					
2017 Site ID: WAC 2.1 L					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 2011 - Whole bank is starting to unravel, with failure from poor soils.					

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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.85	Rating **	U	Issue No.	112
LM End	1.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.135091 °	39.135091 °
				-121.748196 °	-121.748196 °
DWR ID	17063				
Comment Code					
Inspector Comment					
FS_ID:53594 DS_ID:17063 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned. 10/12/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing. No noticeable issues to report.5/12/2015 Abandoned crossing. Cap was made and installed on WS open end of pipe.11/18/2014 Same as last inspection.5/13/2014 Cap was made and bolted on to WS open end of pipe.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. Steve Beckley is looking into finding pipe owner to properly abandon pipe.10/9/2012 Pipe abandoned. Pipe open and not plugged. Pipe should be removed or abandoned properly. Extensive animal burrowing occurring along pipe alignment. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe (permit records reference 24-inch corrugated metal in 1939 and existing 18-inch pipe in 1932 through levee, USACE O&M references 15-inch pipe in 1953) through the levee, 5.7 feet below the crown. Siphon breaker located on the landside (LS). Vertical pump located on the waterside (WS). Meter pole located on the WS berm. (Permit authorized existing 18-inch pipe and new installation of pump under Permit No. 572, 1932 - Joaquin). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 98+02), Dwg. No. 50-04-1949, page 1 of 3]. FS Date: 2/7/2019 2:52:00 PM					

Photo 1 of 3 : UCIP\_SP\_2019\_53594\_78675.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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.85	Rating **	U	Issue No.	112 (cont)	
LM End	1.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.135091 °	39.135091 °	
				-121.748196 °	-121.748196 °	
DWR ID	17063					
Comment Code						
Inspector Comment						
FS_ID:53594 DS_ID:17063 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned. 10/12/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing. No noticeable issues to report.5/12/2015 Abandoned crossing. Cap was made and installed on WS open end of pipe.11/18/2014 Same as last inspection.5/13/2014 Cap was made and bolted on to WS open end of pipe.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. Steve Beckley is looking into finding pipe owner to properly abandon pipe.10/9/2012 Pipe abandoned. Pipe open and not plugged. Pipe should be removed or abandoned properly. Extensive animal burrowing occuring along pipe alignment. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe (permit records reference 24-inch corrugated metal in 1939 and existing 18-inch pipe in 1932 through levee, USACE O&M references 15-inch pipe in 1953) through the levee, 5.7 feet below the crown. Siphon breaker located on the landside (LS). Vertical pump located on the waterside (WS). Meter pole located on the WS berm. (Permit authorized existing 18-inch pipe and new installation of pump under Permit No. 572, 1932 - Joaquin). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 98+02), Dwg. No. 50-04-1949, page 1 of 3]. FS Date: 2/7/2019 2:52:00 PM						

Photo 2 of 3 : UCIP\_SP\_2019\_53594\_78676.jpg



Overview of crossing looking downstream towards crossing.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.85	Rating **	U	Issue No.	112 (cont)
LM End	1.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.135091 °	39.135091 °
				-121.748196 °	-121.748196 °
DWR ID	17063				

**Comment Code**

**Inspector Comment**

FS\_ID:53594  
DS\_ID:17063  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing. No noticeable issues to report.5/12/2015 Abandoned crossing. Cap was made and installed on WS open end of pipe.11/18/2014 Same as last inspection.5/13/2014 Cap was made and bolted on to WS open end of pipe.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. Steve Beckley is looking into finding pipe owner to properly abandon pipe.10/9/2012 Pipe abandoned. Pipe open and not plugged. Pipe should be removed or abandoned properly. Extensive animal burrowing occurring along pipe alignment. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 14-inch steel irrigation pipe (permit records reference 24-inch corrugated metal in 1939 and existing 18-inch pipe in 1932 through levee, USACE O&M references 15-inch pipe in 1953) through the levee, 5.7 feet below the crown. Siphon breaker located on the landside (LS). Vertical pump located on the waterside (WS). Meter pole located on the WS berm. (Permit authorized existing 18-inch pipe and new installation of pump under Permit No. 572, 1932 - Joaquin). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 98+02), Dwg. No. 50-04-1949, page 1 of 3].  
FS Date: 2/7/2019 2:52:00 PM

Photo 3 of 3 : UCIP\_SP\_2019\_53594\_78677.jpg



WS view: overview of WS.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.85	Rating **	U	Issue No.	107
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.135110 °	39.135110 °
				-121.748230 °	-121.748230 °
DWR ID	DWR_ST0010_01_f_2013_107				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

LM Start	<b>1.85</b>	Rating **	U	Issue No.	<b>107 (cont)</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2019\_ST0010\_42\_107\_20190327\_00016.jpg



View of the erosion along both sides of the abandoned pump.

Photo 2 of 3 : SP\_2019\_ST0010\_42\_107\_20190327\_00017.jpg



View of the erosion along both sides of the abandoned pump.

LM Start	<b>1.85</b>	Rating **	U	Issue No.	<b>107 (cont)</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_ST0010\_42\_107\_20190327\_00018.jpg



View of erosion along both sides of the abandoned 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.85	Rating **	M	Issue No.	106
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.135110 °	39.135110 °
				-121.748229 °	-121.748229 °
DWR ID	DWR_ST0010_01_f_2013_106				
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\_2019\_ST0010\_42\_106\_20190327\_00015.jpg



View of the rodent holes under the irrigation pipe.

LM Start	2.43	Rating **	M	Issue No.	6
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.142235 °	39.153095 °
				-121.742609 °	-121.734390 °
DWR ID	DWR_ST0010_01_f_2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: WAC 2.4 L					
Status: Eroding					
2017 Field Notes: Significant new erosion along lower bank.					
Site History: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem.					

Photo 1 of 4 : SP\_2019\_ST0010\_42\_6\_20190327\_00006.jpg



View of the erosion along the waterside toe.

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>3.30</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SP\_2019\_ST0010\_42\_6\_20190327\_00007.jpg



View of the erosion along the waterside toe.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	2.43	Rating **	M	Issue No.	6 (cont)	
LM End	3.30	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 USACE Erosion Survey, DRAFT			39.142235 °		39.153095 °
				-121.742609 °		-121.734390 °
DWR ID	DWR_ST0010_01_f_2018_6					
Comment Code						
Inspector Comment						
2017 Site ID: WAC 2.4 L						
Status: Eroding						
2017 Field Notes: Significant new erosion along lower bank.						
Site History: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem.						

Photo 3 of 4 : SP\_2019\_ST0010\_42\_6\_20190327\_00008.jpg



View of the erosion along the waterside toe.

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>3.30</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SP\_2019\_ST0010\_42\_6\_20190327\_00009.jpg



View of the erosion along the waterside toe.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.01	Rating **	M	Issue No.	113	
LM End	3.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.149185 °	39.149185 °	
				-121.736715 °	-121.736715 °	
DWR ID	17064					
Comment Code						
Inspector Comment						
FS_ID:53596 DS_ID:17064 EP_NO: 9191 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 6-inch (not 7-inch, as mentioned in the levee log) asphalt coated steel gas line through the levee, 1.1 feet below the crown. Gas line crosses the Wadsworth Canal and its levees. Gas line markers located on the landside (LS) and waterside (WS) toes. (6-inch gas line authorized under Permit No. 764, 1939 - Pacific Gas and Electric Company [PG&E]. Pipe reconstructed under Permit No. 9191, 1974 - PG&E). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 159+38), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 2:52:00 PM						

LM Start	<b>3.01</b>	Rating **	M	Issue No.	<b>113 (cont)</b>
LM End	<b>3.01</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53596\_78683.jpg



WS view: line crosses both left and right bank, markers visible on opposite levee.

Photo 2 of 3 : UCIP\_SP\_2019\_53596\_78681.jpg



Overview of levee crown at pipe crossing.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.01	Rating **	M	Issue No.	113 (cont)	
LM End	3.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.149185 °	39.149185 °	
				-121.736715 °	-121.736715 °	
DWR ID	17064					
Comment Code						
Inspector Comment						
FS_ID:53596 DS_ID:17064 EP_NO: 9191 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 6-inch (not 7-inch, as mentioned in the levee log) asphalt coated steel gas line through the levee, 1.1 feet below the crown. Gas line crosses the Wadsworth Canal and its levees. Gas line markers located on the landside (LS) and waterside (WS) toes. (6-inch gas line authorized under Permit No. 764, 1939 - Pacific Gas and Electric Company [PG&E]. Pipe reconstructed under Permit No. 9191, 1974 - PG&E). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 159+38), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 2:52:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53596\_78682.jpg



LS view: overview of LS 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  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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.04	Rating **	M	Issue No.	114
LM End	3.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.149549 °	39.149549 °
				-121.736408 °	-121.736408 °
DWR ID	17065				

**Comment Code**

**Inspector Comment**

FS\_ID:53597  
 DS\_ID:17065  
 EP\_NO: 7209  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017  
 Ws pipe end is in good condition. LS pipe end is still deformed and  
 vegetated. (DWR Sutter Yard- A Freitag)10/12/2016 LS inlet is still  
 deformed and being overgrown by vegetation.(DWR Sutter Yard -  
 a Freitag)4/19/2016 Crossing appears to be in good  
 condition.5/12/2015 LS inlet still deformed a little but does not affect  
 the crossing function.11/18/2014 Same as last  
 inspection.5/13/2014 Same as last inspection.10/29/2013 Same as  
 last inspection.5/16/2013 Pipe intake on LS appears to be bent and  
 damaged but that does not appear to be affecting water flow or channel  
 bank.  
 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. (Original O&M manual crossing was  
 replaced under Permit No. 7209, 1970 - Department of Water  
 Resources [DWR], replacement pipe size not referenced) [Additional  
 Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M  
 Manual 135, May 1953, (Station 160+25), Dwg No. 50-04-1949, sheet 2  
 of 3].  
 FS Date: 2/7/2019 2:53:00 PM

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>114 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53597\_78688.jpg



LS view: overview of LS.

Photo 2 of 3 : UCIP\_SP\_2019\_53597\_78687.jpg



Overview of levee crown looking downstream at crossing.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.04	Rating **	M	Issue No.	114 (cont)	
LM End	3.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.149549 °	39.149549 °	
				-121.736408 °	-121.736408 °	
DWR ID	17065					
Comment Code						
Inspector Comment						
FS_ID:53597 DS_ID:17065 EP_NO: 7209 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Ws pipe end is in good condition. LS pipe end is still deformed and vegetated. (DWR Sutter Yard- AFreitag)10/12/2016 LS inlet is still deformed and being overgrown by vegetation.(DWR Sutter Yard - aFreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 LS inlet still deformed a little but does not affect the crossing function.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Pipe intake on LS appears to be bent and damaged but that does not appear to be affecting water flow or channel bank. 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. (Original O&M manual crossing was replaced under Permit No. 7209, 1970 - Department of Water Resources [DWR], replacement pipe size not referenced) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 160+25), Dwg No. 50-04-1949, sheet 2 of 3]. FS Date: 2/7/2019 2:53:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53597\_78686.jpg



WS view: overview of WS.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.30	Rating **	M	Issue No.	115
LM End	3.30	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153043 °	39.153043 °
				-121.734247 °	-121.734247 °
DWR ID	23097				
Comment Code					
Inspector Comment					
FS_ID:53598 DS_ID:23097 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. Photos added. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)5/31/2016 Need photos markers and levee overview (O. Magana)4/19/2016 Crossing appears to be in good condition. No permit on file.5/12/2015 No noticeable issues with crossing but no permit on file for it.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 No known permit for work. FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee, 2 feet below the crown. Fiber optics line attached to bottom of downstream side of South Butte Road bridge. Position marked with orange markers. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/7/2019 2:53:00 PM					

LM Start	<b>3.30</b>	Rating **	M	Issue No.	<b>115 (cont)</b>
LM End	<b>3.30</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53598\_76957.jpg



LS overview

Photo 2 of 3 : UCIP\_SP\_2019\_53598\_76953.jpg



Levee overview looking upstream.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.30	Rating **	M	Issue No.	115 (cont)	
LM End	3.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.153043 °	39.153043 °	
				-121.734247 °	-121.734247 °	
DWR ID	23097					
Comment Code						
Inspector Comment						
FS_ID:53598 DS_ID:23097 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. Photos added. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - aFreitag)5/31/2016 Need photos markers and levee overview (O. Magana)4/19/2016 Crossing appears to be in good condition. No permit on file.5/12/2015 No noticeable issues with crossing but no permit on file for it.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 No known permit for work. FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee, 2 feet below the crown. Fiber optics line attached to bottom of downstream side of South Butte Road bridge. Position marked with orange markers. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/7/2019 2:53:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53598\_76954.jpg



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

LM Start	3.32	Rating **	M	Issue No.	25
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.153296 °	39.170973 °
				-121.734304 °	-121.726852 °
DWR ID	DWR_ST0010_01_f_2018_25				
Comment Code					
Inspector Comment					
2017 Site ID: WAC 4.4 L					
Status: Eroding New					
2017 Field Notes: Significant lower bank erosion and overall slumping.					
Site History:					

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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	116	
LM End	3.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.155752 °	39.155752 °	
				-121.733115 °	-121.733115 °	
DWR ID	17066					
Comment Code						
Inspector Comment						
FS_ID:53599 DS_ID:17066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)01/28/2019 USACE O&M dwg shows 12-inch and 24-inch on LS. (O. Magana - DWR UCIP) 4/10/2017 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. (DWR Sutter Yard- A Freitag)10/12/2016 Crossing appears to be in good condition.4/19/2016 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.5/12/2015 Concrete headwall on LS is completely silted in. LS pipe end is located near the edge of rice field. No issues seen on WS.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.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.5/16/2013 Same as last inspection. 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. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 184+87), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 2:54:00 PM						

Photo 1 of 3 : UCIP\_SP\_2019\_53599\_78704.jpg



Overview of levee crown lookin downstream towards crossing.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	116 (cont)	
LM End	3.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.155752 °	39.155752 °	
				-121.733115 °	-121.733115 °	
DWR ID	17066					
Comment Code						
Inspector Comment						
FS_ID:53599 DS_ID:17066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)01/28/2019 USACE O&M dwg shows 12-inch and 24-inch on LS. (O. Magana - DWR UCIP) 4/10/2017 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. (DWR Sutter Yard- A Freitag)10/12/2016 Crossing appears to be in good condition.4/19/2016 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.5/12/2015 Concrete headwall on LS is completely silted in. LS pipe end is located near the edge of rice field. No issues seen on WS.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.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.5/16/2013 Same as last inspection. 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. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 184+87), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 2:54:00 PM						

Photo 2 of 3 : UCIP\_SP\_2019\_53599\_78701.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  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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	116 (cont)	
LM End	3.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.155752 °	39.155752 °	
				-121.733115 °	-121.733115 °	
DWR ID	17066					
Comment Code						
Inspector Comment						
FS_ID:53599 DS_ID:17066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)01/28/2019 USACE O&M dwg shows 12-inch and 24-inch on LS. (O. Magana - DWR UCIP) 4/10/2017 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. (DWR Sutter Yard- A Freitag)10/12/2016 Crossing appears to be in good condition.4/19/2016 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.5/12/2015 Concrete headwall on LS is completely silted in. LS pipe end is located near the edge of rice field. No issues seen on WS.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.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.5/16/2013 Same as last inspection. 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. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 184+87), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 2:54:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53599\_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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.53	Rating **	A/W	Issue No.	3
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.156225 °	39.156639 °
				-121.732930 °	-121.732755 °
DWR ID	DWR_ST0010_01_s_2012_3				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_ST0010\_42\_3\_20190327\_00001.jpg



View of the erosion along the waterside toe.

LM Start	3.65	Rating **	A/W	Issue No.	4
LM End	3.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.157861 °	39.157861 °
				-121.732238 °	-121.732238 °
DWR ID	DWR_ST0010_01_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_ST0010\_42\_4\_20190327\_00002.jpg



View of the erosion along the waterside toe of the levee.

LM Start	<b>3.65</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>3.65</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_ST0010\_42\_4\_20190327\_00003.jpg



View of the erosion along the waterside toe.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.84	Rating **	A/W	Issue No.	17
LM End	3.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.160442 °	39.162235 °
				-121.731067 °	-121.730912 °
DWR ID	DWR_ST0010_01_f_2014_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_ST0010\_42\_17\_20190327\_00010.jpg



View of the erosion along the waterside toe.

LM Start	4.23	Rating **	A/W	Issue No.	5
LM End	4.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.165845 °	39.165845 °
				-121.728877 °	-121.728877 °
DWR ID	DWR_ST0010_01_s_2012_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_ST0010\_42\_5\_20190327\_00004.jpg



View of the erosion along the waterside toe.

LM Start	<b>4.23</b>	Rating **	A/W	Issue No.	<b>5 (cont)</b>
LM End	<b>4.23</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_ST0010\_42\_5\_20190327\_00005.jpg



View of the erosion along the waterside toe.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.31	Rating **	M	Issue No.	117	
LM End	4.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.166919 °	39.166919 °	
				-121.728415 °	-121.728415 °	
DWR ID	17067					
Comment Code						
Inspector Comment						
FS_ID:53600 DS_ID:17067 EP_NO: 4680 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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]. FS Date: 2/7/2019 2:54:00 PM						

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>117 (cont)</b>
LM End	<b>4.31</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53600\_78705.jpg



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

Photo 2 of 3 : UCIP\_SP\_2019\_53600\_78706.jpg



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

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.31	Rating **	M	Issue No.	117 (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					
Comment Code						
Inspector Comment						
FS_ID:53600 DS_ID:17067 EP_NO: 4680 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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]. FS Date: 2/7/2019 2:54:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53600\_64725.jpg



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

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.32	Rating **	M	Issue No.	118	
LM End	4.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.167098 °	39.167098 °	
				-121.728341 °	-121.728341 °	
DWR ID	17058					
Comment Code						
Inspector Comment						
FS_ID:53601 DS_ID:17058 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/12/2016 Unable to locate.4/19/2016 Unable to locate.5/12/2015 Unable to locate.11/18/2014 Unable to locate.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 unable to locate 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. USACE Sacramento O&M Manual 135, May 1953, (Station 228+00), Dwg No. 50-04-1949, 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\_2019\_53601\_78707.jpg



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

LM Start	<b>4.32</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>4.32</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_53601\_78708.jpg



Overview of levee crown where crossing should be.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.32	Rating **	M	Issue No.	118 (cont)	
LM End	4.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.167098 °	39.167098 °	
				-121.728341 °	-121.728341 °	
DWR ID	17058					
Comment Code						
Inspector Comment						
FS_ID:53601 DS_ID:17058 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/12/2016 Unable to locate.4/19/2016 Unable to locate.5/12/2015 Unable to locate.11/18/2014 Unable to locate.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 unable to locate 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. USACE Sacramento O&M Manual 135, May 1953, (Station 228+00), Dwg No. 50-04-1949, page 2 of 3, 12-inch CMP referenced at 228+25]. FS Date: 2/7/2019 12:13:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53601\_78709.jpg



LS view: overview of LS, 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**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**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	5/8/2019 - 5/8/2019			
DWR Inspector	Makar Sokol			
Accompanied By	David Julian DWR DFM			

**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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	24 (cont)	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.114372 °	39.114372 °	
				-121.769263 °	-121.769263 °	
DWR ID	17080					
Comment Code						
Inspector Comment						
FS_ID:53603 DS_ID:17080 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/12/2016 Unable to locate.(DWR Sutter Yard - afreitag)4/19/2016 Unable to locate.5/12/2015 Unable to locate.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 Unable to locate any signage. Call owner to determine disposition of pipeline. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3.5-inch steel gas line through the levee, 3 feet below the crown. Gas line goes through both levees and Wadsworth Canal. (3-inch line authorized under Permit No. 5296, 1966 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 2/7/2019 11:10:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53603\_78710.jpg



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

LM Start	0.02	Rating **	U	Issue No.	2
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.114416 °	39.170959 °
				-121.769271 °	-121.727250 °
DWR ID	DWR_ST0010_02_s_2012_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_ST0010\_43\_2\_20190510\_00053.jpg



View of the vegetation on the waterside slope. Spring 2019.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	0.02	Rating **	U	Issue No.	1
LM End	4.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.114417 °	39.170959 °
				-121.769270 °	-121.727250 °
DWR ID	DWR_ST0010_02_f_2012_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_ST0010\_43\_1\_20190510\_00054.jpg



View of the vegetation on the landside slope. Spring 2019.

LM Start	0.24	Rating **	M	Issue No.	17
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.116913 °	39.116913 °
				-121.766768 °	-121.766768 °
DWR ID	DWR_ST0010_02_f_2018_17				
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\_2019\_ST0010\_43\_17\_20190327\_00007.jpg



View of the rodent hole along the waterside slope.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.16	Rating **	M	Issue No.	25
LM End	1.16	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127487 °	39.127487 °
				-121.756485 °	-121.756485 °
DWR ID	17069				

**Comment Code**

**Inspector Comment**

FS\_ID:53604  
DS\_ID:17069  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned crossing with heavy rodent activity around it. Needs to be removed. (DWR Sutter Yard- A Freitag)10/12/2016 Abandoned crossing.(DWR Sutter Yard - a Freitag)4/19/2016 Abandoned crossing. Rodent activity still present on WS slope.5/12/2015 Abandoned crossing. Signs of rodent activity on both sides of levee.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 Pipe appears improperly abandoned. No motor present, electrical equipment is stripped. Heavy rodent activity along pipe WS and LS. Pipe needs to be removed or properly abandoned. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 10-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump mounted on concrete pad near canal bank located on the waterside (WS). Service pole located on the berm. 36-inch concrete standpipe located on the landside (LS) toe. (10-inch pipe authorized under Permit No. 945, 1944 - Becker). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 61+10), Dwg. No. 50-04-1949, page 1 of 3].  
FS Date: 2/7/2019 11:11:00 AM

LM Start	<b>1.16</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53604\_78718.jpg



LS view: overview of LS.

Photo 2 of 3 : UCIP\_SP\_2019\_53604\_78717.jpg



Overview of levee crown at pipe crossing.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.16	Rating **	M	Issue No.	25 (cont)	
LM End	1.16	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.127487 °	39.127487 °	
				-121.756485 °	-121.756485 °	
DWR ID	17069					
Comment Code						
Inspector Comment						
FS_ID:53604 DS_ID:17069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abanoned crossing with heavy rodent activity around it. Needs to be removed. (DWR Sutter Yard- A Freitag)10/12/2016 Abandoned crossing.(DWR Sutter Yard - a Freitag)4/19/2016 Abandoned crossing. Rodent activity still present on WS slope.5/12/2015 Abandoned crossing. Signs of rodent activity on both sides of levee.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 Pipe appears improperly abandoned. No motor present, electrical equipment is stripped. Heavy rodent activity along pipe WS and LS. Pipe needs to be removed or properly abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump mounted on concrete pad near canal bank located on the waterside (WS). Service pole located on the berm. 36-inch concrete standpipe located on the landside (LS) toe. (10-inch pipe authorized under Permit No. 945, 1944 - Becker). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 61+10), Dwg. No. 50-04-1949, page 1 of 3]. FS Date: 2/7/2019 11:11:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53604\_64727.jpg



Pipe and pump facilities on WS slope.

LM Start	1.16	Rating **	U	Issue No.	19
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.127527 °	39.127527 °
				-121.756493 °	-121.756493 °
DWR ID	DWR_ST0010_02_f_2016_19				
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\_2019\_ST0010\_43\_19\_20190327\_00008.jpg



View of the rodent holes along the waterside slope.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.17	Rating **	M	Issue No.	26
LM End	1.17	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.127701 °	39.127701 °	
			-121.756297 °	-121.756297 °	
DWR ID	17084				

**Comment Code**

**Inspector Comment**

FS\_ID:53605  
DS\_ID:17084  
EP\_NO: 17478  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. New markers are present on the LS shoulder and WS toe. (DWR Sutter Yard- A Freitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.  
FIELD\_STRUCT\_DESC: 8-inch steel gas line bored across and under Wadsworth Canal and its levees, approximately 30 and 60 feet below channel and levees. Line was reinstalled because the County replaced the bridge over Wadsworth Canal. Gas line markers present on Franklin Roadside. No pipe attached to the upstream side of Franklin Road bridge as shown in the permit records. (8-inch gas line authorized and existing 12-inch line removed under Permit No. 17478 and 17478-R, 2002 - Pacific Gas & Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005].  
FS Date: 2/7/2019 11:12:00 AM

LM Start	1.17	Rating **	M	Issue No.	26 (cont)
LM End	1.17	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53605\_78722.jpg



WS view: overview of WS.

Photo 2 of 3 : UCIP\_SP\_2019\_53605\_78723.jpg



Overview of levee crown where line crosses.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.17	Rating **	M	Issue No.	26 (cont)	
LM End	1.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.127701 °	39.127701 °	
				-121.756297 °	-121.756297 °	
DWR ID	17084					
Comment Code						
Inspector Comment						
FS_ID:53605 DS_ID:17084 EP_NO: 17478 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. New markers are present on the LS shoulder and WS toe. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 8-inch steel gas line bored across and under Wadsworth Canal and its levees, approximately 30 and 60 feet below channel and levees. Line was reinstalled because the County replaced the bridge over Wadsworth Canal. Gas line markers present on Franklin Roadside. No pipe attached to the upstream side of Franklin Road bridge as shown in the permit records. (8-inch gas line authorized and existing 12-inch line removed under Permit No. 17478 and 17478-R, 2002 - Pacific Gas & Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 2/7/2019 11:12:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53605\_78724.jpg



LS view: paddle marker visible on LS shoulder.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.24	Rating **	M	Issue No.	27
LM End	1.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.128414 °	39.128414 °
				-121.755585 °	-121.755585 °
DWR ID	17071				

**Comment Code**

**Inspector Comment**

FS\_ID:53606  
DS\_ID:17071  
EP\_NO: 13362  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing now appears to be the aerial line. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.  
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].  
FS Date: 2/7/2019 11:13:00 AM

LM Start	1.24	Rating **	M	Issue No.	27 (cont)
LM End	1.24	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53606\_64732.jpg



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

Photo 2 of 3 : UCIP\_SP\_2019\_53606\_78727.jpg



Overview of levee crown looking towards where crossing should be.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.24	Rating **	M	Issue No.	27 (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					
Comment Code						
Inspector Comment						
FS_ID:53606 DS_ID:17071 EP_NO: 13362 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing now appears to be the aerial line. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. 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]. FS Date: 2/7/2019 11:13:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53606\_78728.jpg



Aerial lines visible only no signs of communication line.

LM Start	1.71	Rating **	M	Issue No.	23
LM End	1.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.133912 °	39.133912 °
				-121.750258 °	-121.750258 °
DWR ID	DWR_ST0010_02_f_2018_23				
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\_2019\_ST0010\_43\_23\_20190327\_00013.jpg



View of the rodent holes along the waterside slope.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.74	Rating **	A/W	Issue No.	10
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.134064 °	39.141814 °
				-121.749781 °	-121.743260 °
DWR ID	DWR_ST0010_02_f_2018_10				
Comment Code					
Inspector Comment					
2017 Site ID: WAC 2.1 R					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 2011 - Whole bank is starting to unravel, with failure from poor soils.					

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	Slope Stability			39.134378 °	39.134378 °
				-121.749803 °	-121.749803 °
DWR ID	DWR_ST0010_02_f_2016_20				
Comment Code					
S3 : 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\_2019\_ST0010\_43\_20\_20190327\_00009.jpg



View of the ramp encroaching into the levee.

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

Photo 1 of 2 : SP\_2019\_ST0010\_43\_11\_20190327\_00005.jpg



View of the rodent holes above the irrigation pipe.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

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

Photo 2 of 2 : SP\_2019\_ST0010\_43\_11\_20190327\_00006.jpg



View of the rodent hole above the irrigation 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	28
LM End	1.76	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.134497 °	39.134497 °	
			-121.749716 °	-121.749716 °	

DWR ID 17074

**Comment Code**

**Inspector Comment**

FS\_ID:53608  
DS\_ID:17074  
EP\_NO: 1096  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. It measure to be 16" on LS and 20" on WS where visible near pump. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition. Minor rodent activity nearby.(DWR Sutter Yard - afreitag)4/19/2016 No signs of pipe leaks. Still some minor rodent activity under the pipe on LS slope.5/12/2015 Rodent activity near pipe on LS.11/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion.5/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 Heavy rodent activity on LS slope along pipe alignment. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe (USACE O&M refers to 15-inch 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. USACE Sacramento O&M Manual 135, May 1953, (Station 93+55), Dwg. No. 50-04-1949, page 1 of 3].  
FS Date: 2/7/2019 11:16:00 AM

Photo 1 of 3 : UCIP\_SP\_2019\_53608\_78743.jpg



LS view: overview of LS looking upstream towards pipe.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	28 (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					

**Comment Code**

**Inspector Comment**

FS\_ID:53608  
DS\_ID:17074  
EP\_NO: 1096  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. It measure to be 16" on LS and 20" on WS where visible near pump. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition. Minor rodent activity nearby.(DWR Sutter Yard - afreitag)4/19/2016 No signs of pipe leaks. Still some minor rodent activity under the pipe on LS slope.5/12/2015 Rodent activity near pipe on LS.11/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion.5/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 Heavy rodent activity on LS slope along pipe alignment. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe (USACE O&M refers to 15-inch 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. USACE Sacramento O&M Manual 135, May 1953, (Station 93+55), Dwg. No. 50-04-1949, page 1 of 3].  
FS Date: 2/7/2019 11:16:00 AM

Photo 2 of 3 : UCIP\_SP\_2019\_53608\_78742.jpg



Overview of levee crown at pipe crossing.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>28 (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				

**Comment Code**

**Inspector Comment**

FS\_ID:53608  
DS\_ID:17074  
EP\_NO: 1096  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. It measure to be 16" on LS and 20" on WS where visible near pump. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition. Minor rodent activity nearby.(DWR Sutter Yard - afreitag)4/19/2016 No signs of pipe leaks. Still some minor rodent activity under the pipe on LS slope.5/12/2015 Rodent activity near pipe on LS.11/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion.5/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 Heavy rodent activity on LS slope along pipe alignment. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe (USACE O&M refers to 15-inch 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. USACE Sacramento O&M Manual 135, May 1953, (Station 93+55), Dwg. No. 50-04-1949, page 1 of 3].  
FS Date: 2/7/2019 11:16:00 AM

Photo 3 of 3 : UCIP\_SP\_2019\_53608\_78744.jpg



WS view: overview of WS looking upstream towards pipe.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	29
LM End	1.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.134499 °	39.134499 °
				-121.749712 °	-121.749712 °
DWR ID	17082				

**Comment Code**

**Inspector Comment**

FS\_ID:53609  
DS\_ID:17082  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned crossing. Pipe measures to be 16" on both sides of levee. (DWR Sutter Yard- A Freitag)10/12/2016 Abandoned crossing. Minor rodent activity near by.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears abandoned. Minor rodent activity under pipe on LS slope.5/12/2015 Abandoned crossing that needs to be properly abandoned. Rodent activity near LS pipe.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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: \*ABANDONED\* 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. USACE Sacramento O&M Manual 135, May 1953, (Station 93+50), listed as a 12-inch pipe, Dwg. No. 50-04-1949, page 1 of 3].  
FS Date: 2/7/2019 11:16:00 AM

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53609\_64736.jpg



Pipe on LS showing rodent activity.

Photo 2 of 3 : UCIP\_SP\_2019\_53609\_64735.jpg



Pipe on LS showing rodent activity.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	29 (cont)	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.134499 °	39.134499 °	
				-121.749712 °	-121.749712 °	
DWR ID	17082					
Comment Code						
Inspector Comment						
FS_ID:53609 DS_ID:17082 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Abandoned crossing. Pipe measures to be 16" on both sides of levee. (DWR Sutter Yard- AFreitag)10/12/2016 Abandoned crossing. Minor rodent activity near by.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears abandoned. Minor rodent activity under pipe on LS slope.5/12/2015 Abandoned crossing that needs to be properly abandoned. Rodent activity near LS pipe.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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: *ABANDONED* 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. USACE Sacramento O&M Manual 135, May 1953, (Station 93+50), listed as a 12-inch pipe, Dwg. No. 50-04-1949, page 1 of 3]. FS Date: 2/7/2019 11:16:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53609\_64734.jpg



Pipe on left without pump.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	2.09	Rating **	M	Issue No.	30
LM End	2.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.138425 °	39.138425 °
				-121.746342 °	-121.746342 °
DWR ID	17075				
Comment Code					
Inspector Comment					
FS_ID:53610 DS_ID:17075 EP_NO: 1859 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. 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]. FS Date: 2/7/2019 11:17:00 AM					

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53610\_78759.jpg



LS view: overview of LS.

Photo 2 of 3 : UCIP\_SP\_2019\_53610\_78757.jpg



Overview of levee crown.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	2.09	Rating **	M	Issue No.	30 (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					
Comment Code						
Inspector Comment						
FS_ID:53610 DS_ID:17075 EP_NO: 1859 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. 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]. FS Date: 2/7/2019 11:17:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53610\_78758.jpg



WS view: overview of WS.

LM Start	2.41	Rating **	A/W	Issue No.	8
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.142254 °	39.153150 °
				-121.742847 °	-121.734611 °
DWR ID	DWR_ST0010_02_f_2018_8				
Comment Code					
Inspector Comment					
2017 Site ID: WAC 2.4 R					
Status: Eroding					
2017 Field Notes: Significant new erosion along lower bank.					
Site History: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem.					

Photo 1 of 2 : SP\_2019\_ST0010\_43\_8\_20190327\_00001.jpg



View of erosion along the waterside toe.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	2.41	Rating **	A/W	Issue No.	8 (cont)	
LM End	3.28	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 USACE Erosion Survey, DRAFT			39.142254 °		39.153150 °
				-121.742847 °		-121.734611 °
DWR ID	DWR_ST0010_02_f_2018_8					
Comment Code						
Inspector Comment						
2017 Site ID: WAC 2.4 R						
Status: Eroding						
2017 Field Notes: Significant new erosion along lower bank.						
Site History: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem.						

Photo 2 of 2 : SP\_2019\_ST0010\_43\_8\_20190327\_00002.jpg



View of the erosion along the landside toe.

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	Slope Stability			39.148938 °	39.148938 °
				-121.737620 °	-121.737620 °
DWR ID	DWR_ST0010_02_f_2016_21				
Comment Code					
S3 : 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\_2019\_ST0010\_43\_21\_20190327\_00010.jpg



View of the ramp encroaching into the levee.

LM Start	2.95	Rating **	M	Issue No.	22
LM End	2.95	Issue Type +	Ob	Location *	LS
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					
Longitudinal cracks caused by fat clay.					

Photo 1 of 2 : SP\_2019\_ST0010\_43\_22\_20190327\_00011.jpg



View of the longitudinal cracks along the landside slope.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	2.95	Rating **	M	Issue No.	22 (cont)	
LM End	2.95	Issue Type +	Ob	Location *	LS	
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						
Longitudinal cracks caused by fat clay.						

Photo 2 of 2 : SP\_2019\_ST0010\_43\_22\_20190327\_00012.jpg



LM Start	2.99	Rating **	M	Issue No.	31
LM End	2.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.149350 °	39.149350 °
				-121.737239 °	-121.737239 °
DWR ID	17076				
Comment Code					
Inspector Comment					
FS_ID:53611 DS_ID:17076 EP_NO: 9191 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 6-inch (not 7-inch as mentioned in the levee log) asphalt coated steel gas line through the levee, 1.1 feet below the crown. Gas line crosses Wadsworth Canal and its levees. Gas line markers located on the landside (LS) toe and across channel. (6-inch gas line authorized under Permit No. 764, 1939 - Pacific Gas and Electric Company [PG&E]. 6-inch Pipe reconstructed under Permit No. 9191, 1974 - PG&E). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 157+35), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 11:17:00 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_53611\_78767.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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	2.99	Rating **	M	Issue No.	31 (cont)	
LM End	2.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.149350 °	39.149350 °	
				-121.737239 °	-121.737239 °	
DWR ID	17076					
Comment Code						
Inspector Comment						
FS_ID:53611 DS_ID:17076 EP_NO: 9191 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 6-inch (not 7-inch as mentioned in the levee log) asphalt coated steel gas line through the levee, 1.1 feet below the crown. Gas line crosses Wadsworth Canal and its levees. Gas line markers located on the landside (LS) toe and across channel. (6-inch gas line authorized under Permit No. 764, 1939 - Pacific Gas and Electric Company [PG&E]. 6-inch Pipe reconstructed under Permit No. 9191, 1974 - PG&E). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 157+35), Dwg. No. 50-04-1949, page 2 of 3]. FS Date: 2/7/2019 11:17:00 AM						

LM Start	<b>2.99</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>2.99</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_53611\_78765.jpg



Overview of levee crown looking upstream towards crossing.

Photo 3 of 3 : UCIP\_SP\_2019\_53611\_78766.jpg



WS view: overview of WS.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.28	Rating **	M	Issue No.	32
LM End	3.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153172 °	39.153172 °
				-121.734741 °	-121.734741 °
DWR ID	23098				
Comment Code					
Inspector Comment					
FS_ID:53614 DS_ID:23098 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)5/27/2016 Need photos of markers and levee overview. (O. Magana)4/19/2016 Crossing appears to be in good condition. No permit on file.5/12/2015 Crossing is in good condition but does not have a permit on file for it.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 No known permit for work. FIELD_STRUCT_DESC: 4-inch steel communication conduit through the levee, 2 feet below the crown. Fiber optics line attached to bottom of downstream side of South Butte Road bridge. Position marked with orange markers on both the waterside (WS) and landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/7/2019 11:19:00 AM					

LM Start	<b>3.28</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>3.28</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53614\_78779.jpg



WS view: overview of WS.

Photo 2 of 3 : UCIP\_SP\_2019\_53614\_78783.jpg



WS view: overview of bridge.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.28	Rating **	M	Issue No.	32 (cont)	
LM End	3.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.153172 °		39.153172 °
				-121.734741 °		-121.734741 °
DWR ID	23098					
Comment Code						
Inspector Comment						
FS_ID:53614 DS_ID:23098 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)5/27/2016 Need photos of markers and levee overview. (O. Magana)4/19/2016 Crossing appears to be in good condition. No permit on file.5/12/2015 Crossing is in good condition but does not have a permit on file for it.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 No known permit for work. FIELD_STRUCT_DESC: 4-inch steel communication conduit through the levee, 2 feet below the crown. Fiber optics line attached to bottom of downstream side of South Butte Road bridge. Position marked with orange markers on both the waterside (WS) and landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/7/2019 11:19:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_53614\_78780.jpg



WS view: conduit attached to bridge.

LM Start	3.30	Rating **	A/W	Issue No.	9
LM End	4.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.153320 °	39.171031 °
				-121.734573 °	-121.727040 °
DWR ID	DWR_ST0010_02_f_2018_9				
Comment Code					
Inspector Comment					
2017 Site ID: WAC 4.3 R					
Status: Eroding					
2017 Field Notes: Site extended downstream. Significant lower bank erosion.					
Site History: 2011 - Small erosion pocket.					

Photo 1 of 2 : SP\_2019\_ST0010\_43\_9\_20190327\_00003.jpg



View of the erosion along the waterside toe.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.30	Rating **	A/W	Issue No.	9 (cont)	
LM End	4.58	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 USACE Erosion Survey, DRAFT			39.153320 °		39.171031 °
				-121.734573 °		-121.727040 °
DWR ID	DWR_ST0010_02_f_2018_9					
Comment Code						
Inspector Comment						
2017 Site ID: WAC 4.3 R						
Status: Eroding						
2017 Field Notes: Site extended downstream. Significant lower bank erosion.						
Site History: 2011 - Small erosion pocket.						

Photo 2 of 2 : SP\_2019\_ST0010\_43\_9\_20190327\_00004.jpg



View of the erosion along the waterside toe.

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

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	33
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**

FS\_ID:53615  
DS\_ID:17078  
EP\_NO: 10473  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (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)4/10/2017 WS appears to be in good condition. No repairs appear to have been made to the LS yet. Pipe measures to be 16". (DWR Sutter Yard- AFreitag)10/12/2016 WS appears to be in good condition. LS is still very rusted where it extends over the LS ditch.(DWR Sutter Yard - afreitag)4/19/2016 No changes have been made to this crossing. LS pipe outlet is still very rusted. 5/12/2015 Pipe is very rusty at Outlet in LS channel. No noticeable issues with WS.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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 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. USACE Sacramento O&M Manual 135, May 1953, (Station 174+63), Dwg. No. 50-04-1949, page 2 of 3, 24-inch pipe listed]. FS Date: 2/7/2019 12:10:00 PM

Photo 1 of 3 : UCIP\_SP\_2019\_53615\_64761.jpg



Pump on steel pier at WS toe.

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	33 (cont)
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**

FS\_ID:53615  
DS\_ID:17078  
EP\_NO: 10473  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (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)4/10/2017 WS appears to be in good condition. No repairs appear to have been made to the LS yet. Pipe measures to be 16". (DWR Sutter Yard- AFreitag)10/12/2016 WS appears to be in good condition. LS is still very rusted where it extends over the LS ditch.(DWR Sutter Yard - afreitag)4/19/2016 No changes have been made to this crossing. LS pipe outlet is still very rusted. 5/12/2015 Pipe is very rusty at Outlet in LS channel. No noticeable issues with WS.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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 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. USACE Sacramento O&M Manual 135, May 1953, (Station 174+63), Dwg. No. 50-04-1949, page 2 of 3, 24-inch pipe listed]. FS Date: 2/7/2019 12:10:00 PM

Photo 2 of 3 : UCIP\_SP\_2019\_53615\_64760.jpg



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

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	33 (cont)	
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**

FS\_ID:53615  
DS\_ID:17078  
EP\_NO: 10473  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (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)4/10/2017 WS appears to be in good condition. No repairs appear to have been made to the LS yet. Pipe measures to be 16". (DWR Sutter Yard- AFreitag)10/12/2016 WS appears to be in good condition. LS is still very rusted where it extends over the LS ditch.(DWR Sutter Yard - afreitag)4/19/2016 No changes have been made to this crossing. LS pipe outlet is still very rusted. 5/12/2015 Pipe is very rusty at Outlet in LS channel. No noticeable issues with WS.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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 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. USACE Sacramento O&M Manual 135, May 1953, (Station 174+63), Dwg. No. 50-04-1949, page 2 of 3, 24-inch pipe listed].  
FS Date: 2/7/2019 12:10:00 PM

Photo 3 of 3 : UCIP\_SP\_2019\_53615\_78288.jpg



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

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

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			39.153530 °	39.153530 °
				-121.734620 °	-121.734620 °
DWR ID	17081				

**Comment Code**

**Inspector Comment**

FS\_ID:53616  
DS\_ID:17081  
EP\_NO: 5622  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (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)4/10/2017 WS appears to be in good condition. No repairs appear to have been made yet to the LS. Pipe measures to be 15" (DWR Sutter Yard-AFreitag)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.(DWR Sutter Yard - afreitag)4/19/2016 No repairs seem to have been made yet. Pipe still appears to be leaking under the LS toe road. (DWR Sutter Yard - afreitag)5/12/2015 Pipe appears to have not yet been repaired. Still looks to be leaking under the LS toe road. (DWR Sutter Yard - afreitag)11/18/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/13/2014 Same as last inspection. (DWR Sutter Yard - afreitag)10/29/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/16/2013 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. (DWR Sutter Yard - afreitag) 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. USACE Sacramento O&M Manual 135, May 1953, (Station 174+60), Dwg. No. 50-04-1949, page 2 of 3, 15-inch steel pipe listed].  
FS Date: 2/7/2019 12:11:00 PM

Photo 1 of 3 : UCIP\_SP\_2019\_53616\_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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	34 (cont)
LM End	3.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153530 °	39.153530 °
				-121.734620 °	-121.734620 °
DWR ID	17081				

**Comment Code**

**Inspector Comment**

FS\_ID:53616  
DS\_ID:17081  
EP\_NO: 5622  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (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)4/10/2017 WS appears to be in good condition. No repairs appear to have been made yet to the LS. Pipe measures to be 15" (DWR Sutter Yard-AFreitag)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.(DWR Sutter Yard - afreitag)4/19/2016 No repairs seem to have been made yet. Pipe still appears to be leaking under the LS toe road. (DWR Sutter Yard - afreitag)5/12/2015 Pipe appears to have not yet been repaired. Still looks to be leaking under the LS toe road. (DWR Sutter Yard - afreitag)11/18/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/13/2014 Same as last inspection. (DWR Sutter Yard - afreitag)10/29/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/16/2013 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. (DWR Sutter Yard - afreitag) 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. USACE Sacramento O&M Manual 135, May 1953, (Station 174+60), Dwg. No. 50-04-1949, page 2 of 3, 15-inch steel pipe listed].  
FS Date: 2/7/2019 12:11:00 PM

Photo 2 of 3 : UCIP\_SP\_2019\_53616\_64763.jpg



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

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	3.31	Rating **	U	Issue No.	34 (cont)
LM End	3.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153530 °	39.153530 °
				-121.734620 °	-121.734620 °
DWR ID	17081				

**Comment Code**

**Inspector Comment**

FS\_ID:53616  
DS\_ID:17081  
EP\_NO: 5622  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 02/07/2019 (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)4/10/2017 WS appears to be in good condition. No repairs appear to have been made yet to the LS. Pipe measures to be 15" (DWR Sutter Yard - AFreitag)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. (DWR Sutter Yard - afreitag)4/19/2016 No repairs seem to have been made yet. Pipe still appears to be leaking under the LS toe road. (DWR Sutter Yard - afreitag)5/12/2015 Pipe appears to have not yet been repaired. Still looks to be leaking under the LS toe road. (DWR Sutter Yard - afreitag)11/18/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/13/2014 Same as last inspection. (DWR Sutter Yard - afreitag)10/29/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/16/2013 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. (DWR Sutter Yard - afreitag) 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. USACE Sacramento O&M Manual 135, May 1953, (Station 174+60), Dwg. No. 50-04-1949, page 2 of 3, 15-inch steel pipe listed].  
FS Date: 2/7/2019 12:11:00 PM

Photo 3 of 3 : UCIP\_SP\_2019\_53616\_64762.jpg



Inside of 36in. concrete riser

* 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	35	
LM End	4.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.166915 °	39.166915 °	
				-121.728968 °	-121.728968 °	
DWR ID	17079					
Comment Code						
Inspector Comment						
FS_ID:53834 DS_ID:17079 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. Pipe measures to be 14". (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe (USACE O&M refers to 15-inch pipe) through the levee, 2.2 feet below the crown. Pump in corrugated metal (CM) pump house located on the waterside (WS). Pipe discharges into a 36-inch concrete standpipe located on the landside (LS) toe. Service pole located on the WS shoulder. (Pipe of unknown size authorized under Permit No. 1095, 1946 - Williamson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 226+00), Dwg. No. 50-04-1949, page 2 or 3]. FS Date: 2/7/2019 12:12:00 PM						

LM Start	<b>4.28</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>4.28</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53834\_78795.jpg



LS view: overview of LS.

Photo 2 of 3 : UCIP\_SP\_2019\_53834\_78794.jpg



Overview of levee crown looking towards crossing.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	35 (cont)	
LM End	4.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.166915 °		39.166915 °
				-121.728968 °		-121.728968 °
DWR ID	17079					
Comment Code						
Inspector Comment						
FS_ID:53834 DS_ID:17079 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. Pipe measures to be 14". (DWR Sutter Yard- A Freitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe (USACE O&M refers to 15-inch pipe) through the levee, 2.2 feet below the crown. Pump in corrugated metal (CM) pump house located on the waterside (WS). Pipe discharges into a 36-inch concrete standpipe located on the landside (LS) toe. Service pole located on the WS shoulder. (Pipe of unknown size authorized under Permit No. 1095, 1946 - Williamson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 135, May 1953, (Station 226+00), Dwg. No. 50-04-1949, page 2 or 3]. FS Date: 2/7/2019 12:12:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53834\_78796.jpg



WS view: overview of WS.

<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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

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**

FS\_ID:53618  
DS\_ID:17070  
EP\_NO: 4680  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing now appears to be an aerial line. No issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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].  
FS Date: 2/7/2019 12:12:00 PM

LM Start	<b>4.28</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>4.28</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53618\_78803.jpg



Overview of levee crown where crossing goes through levee.

Photo 2 of 3 : UCIP\_SP\_2019\_53618\_78805.jpg



WS view: aerial power lines present but no markers of communication line, photo 1 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 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 2019**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	05/08/2019 05/08/2019	Makar Sokol

LM Start	4.28	Rating **	M	Issue No.	36 (cont)	
LM End	4.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.166983 °	39.166983 °	
				-121.728919 °	-121.728919 °	
DWR ID	17070					
Comment Code						
Inspector Comment						
FS_ID:53618 DS_ID:17070 EP_NO: 4680 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/07/2019 (O. Magana - DWR UCIP)4/10/2017 Aerial lines. (DWR Sutter Yard- AFreitag)10/12/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing now appears to be an aerial line. No issues to report.11/18/2014 Same as last inspection.5/13/2014 Same as last inspection.10/29/2013 Same as last inspection.5/16/2013 Same as last inspection.10/9/2012 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]. FS Date: 2/7/2019 12:12:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53618\_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 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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