

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2016 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.

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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 2016 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	3/17/2016 - 3/17/2016			
DWR Inspector	Keith Millard			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

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 2014.					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

LM Start	0.02	Rating **	M	Issue No.	108
LM End	0.02	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.113670 °	39.113670 °
				-121.768310 °	-121.768310 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47262 DS_ID:17068 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/19/2016 Unable to locate.5/12/2015 Unable to locate.Need to determine disposition of pipe, contact pipe owner if possible.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Unable to locate. FIELD_STRUCT_DESC: 3-1/2-inch steel gas line through the levee, 3.0 feet below the crown. Bank rock revetted. (Permit No. 5296 - Atlantic Oil CO. 1966). FS Date: 5/2/2016 9:07:49 AM					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

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

Comment Code

Inspector Comment

FS_ID:47263
DS_ID:17059
EP_NO: 1605
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/16/2016 Abandoned crossing. Ws pipe end is open and should be capped.5/12/2015 Abandoned crossing. Needs to be properly abandoned.No pump on Pier and power lines cut. Apparently abandoned-should be abandoned properly.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Siphon breaker on the waterward slope. Pump on channel bank on steel structure. (App. 1605 - Schnable) Service pole at the waterward toe. Anchor in waterward slope. (App 1631-Schnable).
FS Date: 5/2/2016 9:08:51 AM

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

Photo 1 of 2 : UCIP_SP_2016_47263_64702.jpg



Power pole with cut powerlines, pump missing from steel pier.

Photo 2 of 2 : UCIP_SP_2016_47263_64701.jpg



Pipe on LS 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

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	2015 USACE Erosion Survey, DRAFT			39.133887 °	39.141757 °
				-121.749526 °	-121.742939 °
DWR ID	DWR_ST0010_01_s_2016_7				
Comment Code					
Inspector Comment					
2011 - Whole bank is starting to unravel, with failure from poor soils. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-1_L]					

No Photos

LM Start	1.85	Rating **	M	Issue No.	110
LM End	1.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.135091 °	39.135091 °
				-121.748196 °	-121.748196 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47267 DS_ID:17063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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.Pipe abandoned. Pipe open and not plugged. Pipe should be removed or abandoned properly. Extensive animal burrowing occurring along pipe alignment.5/16/2013 Same as last inspection. Steve Beckley is looking into finding pipe owner to properly abandon pipe.10/29/2013 Same as last inspection.5/13/2014 Cap was made and bolted on to WS open end of pipe.11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 5.7 feet below the crown. Siphon breaker on landward side. Vertical pump on waterward side. Meter pole on berm. Originally in O+M manual, asbuilt available (Permit No. 572, 1932). FS Date: 5/2/2016 9:22:21 AM					

Photo 1 of 2 : UCIP_SP_2016_47267_64711.jpg



Pump missing from steel pier on WS 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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Levee Inspection Report By Mile - Spring 2016


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

Photo 2 of 2 : UCIP_SP_2016_47267_64710.jpg



Pipe with siphon breaker plugged on LS shoulder.

Photo 1 of 2 : SP_2016_ST0010_42_107_20160316_00012.jpg



10/23/2013

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

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

LM Start	1.85	Rating **	U	Issue No.	107 (cont)	
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						
Repair the erosion under the abandoned pump.						

Photo 2 of 2 : SP_2016_ST0010_42_107_20160316_00013.jpg



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

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_2016_ST0010_42_106_20160316_00011.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	2015 USACE Erosion Survey, DRAFT			39.142235 °	39.153095 °
				-121.742609 °	-121.734390 °
DWR ID	DWR_ST0010_01_f_2015_6				
Comment Code					
Inspector Comment					
2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-4_L]					

Photo 1 of 4 : SP_2016_ST0010_42_6_20160316_00006.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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

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	2015 USACE Erosion Survey, DRAFT			39.142235 °		39.153095 °
				-121.742609 °		-121.734390 °
DWR ID	DWR_ST0010_01_f_2015_6					
Comment Code						
Inspector Comment						
2010 - Over steepened levees, some slumping, reach-wide problem.						
2011 - Still a reach-wide problem. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-4_L]						

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

Photo 2 of 4 : SP_2016_ST0010_42_6_20160316_00007.jpg



View of the erosion along the waterside toe.

Photo 3 of 4 : SP_2016_ST0010_42_6_20160316_00008.jpg



View of the erosion along the waterside toe.

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

Photo 4 of 4 : SP_2016_ST0010_42_6_20160316_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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

LM Start	3.30	Rating **	M	Issue No.	112
LM End	3.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153043 °	39.153043 °
				-121.734247 °	-121.734247 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47270 DS_ID:23097 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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.5/16/2013 No known permit for work.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee 2-feet below the crown. Fiber optic line attached to bottom of downstream side of South Butte rd. bridge. Position marked with orange markers. FS Date: 5/2/2016 9:32:29 AM					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

LM Start	3.50	Rating **	M	Issue No.	111
LM End	3.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.155752 °	39.155752 °
				-121.733115 °	-121.733115 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47271
DS_ID:17066
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 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. 5/16/2013 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. 5/13/2014 Same as last inspection. 11/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 11.0 feet below the crown. Vertical pump mounted on a steel structure in channel. Service pole on the berm with 18-inch standpipe on WS toe. Concrete U shaped headwall on LS toe. Originally shown in O+M manual, asbuilt available
FS Date: 5/2/2016 9:33:27 AM

LM Start	3.50	Rating **	M	Issue No.	111 (cont)
LM End	3.50	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_47271_64720.jpg



Pump, Pipe, walkway, power pole, and standpipe on WS toe.

Photo 2 of 2 : UCIP_SP_2016_47271_64719.jpg



Concrete U shaped headwall on LS toe under tree.

* 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

LM Start	3.53	Rating **	M	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					
Monitor the erosion along the waterside toe.					

Photo 1 of 1 : SP_2016_ST0010_42_3_20160316_00001.jpg



View of the erosion along the waterside toe.

LM Start	3.65	Rating **	M	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					
Monitor the erosion along the waterside toe.					

Photo 1 of 2 : SP_2016_ST0010_42_4_20160316_00002.jpg



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

LM Start	3.65	Rating **	M	Issue No.	4 (cont)
LM End	3.65	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0010_42_4_20160316_00003.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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	03/17/2016 03/17/2016	Keith Millard

LM Start	3.84	Rating **	M	Issue No.	17
LM End	3.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.160442 °	39.160442 °
				-121.731067 °	-121.731067 °
DWR ID	DWR_ST0010_01_f_2014_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside toe.					

Photo 1 of 1 : SP_2016_ST0010_42_17_20160316_00010.jpg



View of the erosion along the waterside toe.

LM Start	4.23	Rating **	M	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					
Monitor the erosion along the waterside toe.					

Photo 1 of 2 : SP_2016_ST0010_42_5_20160316_00004.jpg



View of the erosion along the waterside toe.

LM Start	4.23	Rating **	M	Issue No.	5 (cont)
LM End	4.23	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0010_42_5_20160316_00005.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 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**

Unit Cover Sheet

Spring 2016 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	3/17/2016 - 3/17/2016			
DWR Inspector	Keith Millard			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	0.02	Rating **	M	Issue No.	21
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114372 °	39.114372 °
				-121.769263 °	-121.769263 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47275 DS_ID:17080 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/19/2016 Unable to locate.5/12/2015 Unable to locate.Unable to locate any signage. Call owner to determine disposition of pipeline.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 3-1/2-inch steel gas line through levee, 30-inches below crown. (App. 5296 - Atlantic Oil Co.). FS Date: 5/2/2016 9:44:50 AM					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	1.16	Rating **	M	Issue No.	22
LM End	1.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127487°	39.127487°
				-121.756485°	-121.756485°
DWR ID					

Comment Code

Inspector Comment

FS_ID:47276
DS_ID:17069
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 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.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.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4.8-feet below the crown. Pump mounted on concrete pad near canal bank. Service pole on berm. 30-inch diameter concrete standpipe at landward toe. Originally in O+M manual, asbuilt available. (Permit No. 945, 1944).
FS Date: 5/2/2016 9:46:25 AM

LM Start	1.16	Rating **	M	Issue No.	22 (cont)
LM End	1.16	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_47276_64728.jpg



Pipe and Standpipe on LS toe.

Photo 2 of 2 : UCIP_SP_2016_47276_64727.jpg



Pipe and pump facilities on WS slope.

* 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	1.17	Rating **	M	Issue No.	3
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.127648 °	39.127648 °
				-121.756345 °	-121.756345 °
DWR ID	DWR_ST0010_02_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0010_43_3_20160316_00001.jpg



View of vehicle erosion along L/S slope.

LM Start	1.74	Rating **	M	Issue No.	10
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.134064 °	39.141814 °
				-121.749781 °	-121.743260 °
DWR ID	DWR_ST0010_02_s_2016_10				
Comment Code					
Inspector Comment					
2011 - Whole bank is starting to unravel, with failure from poor soils.					
2015: Site is part of the extended inventory, last inspected 2011. [2015					
Site ID: WAD_2-1_R]					

No Photos

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					
Repair the rodent hole.					

Photo 1 of 2 : SP_2016_ST0010_43_11_20160316_00012.jpg



View of the rodent holes above the irrigation pipe.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

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						
Repair the rodent hole.						

Photo 2 of 2 : SP_2016_ST0010_43_11_20160316_00013.jpg



View of the rodent hole above the irrigation pipe.

LM Start	1.76	Rating **	M	Issue No.	25
LM End	1.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.134497 °	39.134497 °
				-121.749716 °	-121.749716 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47281 DS_ID:17074 EP_NO: 1096 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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.Heavy rodent activity on LS slope along pipe alignment.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope.11/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4-feet below the crown. Pump mounted on a steel structure on the bank. Siphon breaker on the landward slope. unable to locate 48-inch concrete standpipe on the landward berm that was listed in permit. (Permit No. 1096 - Brown and PN: 1479). Asbuilt available. FS Date: 5/2/2016 9:50:15 AM					

Photo 1 of 2 : UCIP_SP_2016_47281_65356.jpg



Pipe on LS with rodent activity shown.

* 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	1.76	Rating **	M	Issue No.	25 (cont)	
LM End	1.76	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.134497 °	39.134497 °	
				-121.749716 °	-121.749716 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47281 DS_ID:17074 EP_NO: 1096 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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.Heavy rodent activity on LS slope along pipe alignment.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope.11/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4-feet below the crown. Pump mounted on a steel structure on the bank. Siphon breaker on the landward slope. unable to locate 48-inch concrete standpipe on the landward berm that was listed in permit. (Permit No. 1096 - Brown and PN: 1479). Asbuilt available. FS Date: 5/2/2016 9:50:15 AM						

Photo 2 of 2 : UCIP_SP_2016_47281_65355.jpg



Pipe on LS with rodent activity shown.

* 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	1.76	Rating **	M	Issue No.	26
LM End	1.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.134499 °	39.134499 °
				-121.749712 °	-121.749712 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47282
DS_ID:17082
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/19/2016 Corssing 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.Heavy rodent activity along LS alignment of pipe. No pump on structure and it appears to be abandoned. Should be abandoned properly.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4-feet below the crown. Pump mounted on a timber structure on the bank. Siphon breaker on the landward slope. Unable to locate 48-inch concrete standpipe on the landward berm that was listed in O+M manual. Asbuilt available. Asbuilt available. Permit No. 1104, 1946.
FS Date: 5/2/2016 9:51:43 AM

LM Start	1.76	Rating **	M	Issue No.	26 (cont)
LM End	1.76	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47282_64736.jpg



Pipe on LS showing rodent activity.

Photo 2 of 2 : UCIP_SP_2016_47282_64735.jpg



Pipe on LS showing rodent activity.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	2.39	Rating **	A	Issue No.	20
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.142053 °	39.142053 °
				-121.743316 °	-121.743316 °
DWR ID	DWR_ST0010_02_s_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation maintained to minimal level.					

Photo 1 of 1 : SP_2016_ST0010_43_20_20160517_00032.jpg



3/17/2016: Vegetation maintained to acceptable level.

LM Start	2.41	Rating **	M	Issue No.	8
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.142254 °	39.153150 °
				-121.742847 °	-121.734611 °
DWR ID	DWR_ST0010_02_s_2016_8				
Comment Code					
Inspector Comment					
2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-4_R]					

Photo 1 of 2 : SP_2016_ST0010_43_8_20160316_00008.jpg



View of erosion along the waterside toe.

LM Start	2.41	Rating **	M	Issue No.	8 (cont)
LM End	3.28	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0010_43_8_20160316_00009.jpg



View of the erosion along the landside toe.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	3.00	Rating **	M	Issue No.	27
LM End	3.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.149561 °	39.149561 °
				-121.737080 °	-121.737080 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47285 DS_ID:17077 EP_NO: 7209 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/19/2016 Tree at WS pipe end needs to be trimmed back and/or removed. 5/12/2015 Tree growing near WS pipe end is getting too big and will affect the crossing. It needs to be cut back or removed.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 14-feet below the crown. Flap gate on the waterward end. Pipe replaced under permit No. 7209. FS Date: 5/2/2016 9:57:10 AM					

Photo 1 of 2 : UCIP_SP_2016_47285_64744.jpg



Bush camouflaging outlet of pipe on WS slope.

LM Start	3.00	Rating **	M	Issue No.	27 (cont)
LM End	3.00	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_47285_64743.jpg



Heavy vegetation at LS inlet at channel.

* 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	3.26	Rating **	C	Issue No.	14
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.152903 °	39.152903 °
				-121.734906 °	-121.734906 °
DWR ID	DWR_ST0010_02_s_2012_14				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The erosion is scheduled for repair in 2015					

No Photos

LM Start	3.28	Rating **	M	Issue No.	28	
LM End	3.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.153172 °	39.153172 °	
				-121.734741 °	-121.734741 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47286 DS_ID:23098 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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.5/16/2013 No known permit for work.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee 2-feet below the crown. Fiber optic line attached to bottom of downstream side of South Butte rd. bridge. Position marked with orange markers. FS Date: 5/2/2016 9:59:28 AM						

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	3.31	Rating **	M	Issue No.	23
LM End	3.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153491 °	39.153491 °
				-121.734636 °	-121.734636 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47287
DS_ID:17078
EP_NO: 10473
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 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.Pipe shows signs of heavy rust at outlet in channel. Good candidate for video inspection.5/16/2013 Same as last inspection.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 16-inch steel, irrigation pipe through the levee, 2.7-feet below the crown. Vertical pump in the channel with a service pole on the berm. Discharges into channel at the landward toe of the levee. (App. 5622 & 10473). Originally included in O+M Manual As-built available.
FS Date: 5/2/2016 10:00:45 AM

LM Start	3.31	Rating **	M	Issue No.	23 (cont)
LM End	3.31	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47287_64761.jpg



Pump on steel pier at WS toe.

Photo 2 of 2 : UCIP_SP_2016_47287_64760.jpg



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

* 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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	3.31	Rating **	U	Issue No.	24
LM End	3.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153530 °	39.153530 °
				-121.734620 °	-121.734620 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47288
DS_ID:17081
EP_NO: 5622
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/19/2016 No repairs seem to have been made yet. Pipe still appears to be leaking under the LS toe road.5/12/2015 Pipe appears to have not yet been repaired. Still looks to be leaking under the LS toe road.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.10/29/2013 Same as last inspection.5/13/2014 Same as last inspection.11/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 15-inch steel irrigation pipe through the levee, 2.7-feet below the crown. Vertical pumps in the channel (likely sleeved through a 22-inch steel pipe). Power pole on the WS slope. Discharges into 36-inch concrete standpipe at the landward toe of the levee. 16-inch CMP riser on LS shoulder. (Permit No. 5622 & 10473). Originally included in O+M Manual As-built available.
FS Date: 5/2/2016 10:02:43 AM

LM Start	3.31	Rating **	U	Issue No.	24 (cont)
LM End	3.31	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47288_64764.jpg



Pump station in channel on WS

Photo 2 of 2 : UCIP_SP_2016_47288_64763.jpg



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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	3.42	Rating **	M	Issue No.	4
LM End	3.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.155057 °	39.155057 °
				-121.733985 °	-121.733985 °
DWR ID	DWR_ST0010_02_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion at the waterside toe.					

Photo 1 of 2 : SP_2016_ST0010_43_4_20160316_00002.jpg



View of the erosion at the waterside toe.

LM Start	3.42	Rating **	M	Issue No.	4 (cont)
LM End	3.42	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0010_43_4_20160316_00003.jpg



View of the erosion at the waterside toe.

LM Start	3.54	Rating **	M	Issue No.	5
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.156753 °	39.162113 °
				-121.733267 °	-121.730997 °
DWR ID	DWR_ST0010_02_s_2012_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor is the erosion at the waterside toe.					

Photo 1 of 2 : SP_2016_ST0010_43_5_20160316_00004.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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	3.54	Rating **	M	Issue No.	5 (cont)	
LM End	3.93	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.156753 °		39.162113 °
				-121.733267 °		-121.730997 °
DWR ID	DWR_ST0010_02_s_2012_5					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Monitor is the erosion at the waterside toe.						

Photo 2 of 2 : SP_2016_ST0010_43_5_20160316_00005.jpg



View of erosion at the waterside toe

LM Start	4.41	Rating **	M	Issue No.	9
LM End	4.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.168659 °	39.168937 °
				-121.728016 °	-121.727905 °
DWR ID	DWR_ST0010_02_s_2016_9				
Comment Code					
Inspector Comment					
2011 - Small erosion pocket. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_4-3_R]					

Photo 1 of 2 : SP_2016_ST0010_43_9_20160316_00010.jpg



View of the erosion along the waterside toe.

LM Start	4.41	Rating **	M	Issue No.	9 (cont)
LM End	4.43	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0010_43_9_20160316_00011.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 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	03/17/2016 03/17/2016	Keith Millard

LM Start	4.48	Rating **	M	Issue No.	7
LM End	4.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.169670 °	39.169670 °
				-121.727787 °	-121.727787 °
DWR ID	DWR_ST0010_02_s_2012_7				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside toe.					

LM Start	4.48	Rating **	M	Issue No.	7 (cont)
LM End	4.48	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_ST0010_43_7_20160316_00006.jpg



View of the erosion along the W/S toe.

Photo 2 of 2 : SP_2016_ST0010_43_7_20160316_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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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