

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0010		Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Wadsworth Canal		U	9.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Animal Control	0.01		0.01	0.11%					
Slope Stability	0.01		0.01	0.11%					
Erosion / Bank Caving	0.48	0.01	0.52	5.64%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	3.04		3.04	32.96%					
DWR UCIP Field Study					0.11	0.02			
<i>LMA Totals:</i>	3.54	0.01	3.58	38.81%	0.11	0.02	0.00	0.00	
Unit No. 01 Wadsworth Canal LB		Overall Unit Rating	Total Unit Miles						
ST0010		U	4.63						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Animal Control	0.01		0.01	0.22%					
Erosion / Bank Caving	0.06	0.01	0.10	2.16%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	1.52		1.52	32.86%					
DWR UCIP Field Study					0.05				
<i>Unit Totals:</i>	1.59	0.01	1.63	35.24%	0.05	0.00	0.00	0.00	
Unit No. 02 Wadsworth Canal RB		Overall Unit Rating	Total Unit Miles						
ST0010		U	4.60						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Slope Stability	0.01		0.01	0.22%					
Erosion / Bank Caving	0.42		0.42	9.13%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	1.52		1.52	33.06%					
DWR UCIP Field Study					0.06	0.02			
<i>Unit Totals:</i>	1.95	0.00	1.95	42.41%	0.06	0.02	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 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)			U	

** 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

Fall 2015 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)			U	
Date of Inspection	04/15/2015 - 04/15/2015		11/04/2015 - 11/04/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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

No Photos

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

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_ST0010_01_s_2013_12				
Action/Comments					
Inspector Comments: 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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					
Action/Comments					
Inspector Comments: FS_ID:45173 DS_ID:17068 EP_NO: 5296 FS_HLM: 0.02 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 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: 05/14/2015					

No Photos

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					
Action/Comments					
Inspector Comments: FS_ID:45174 DS_ID:17059 EP_NO: 1605 FS_HLM: 1.197 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 1 of 3 : UCIP_FA_2015_5177.jpg



Pipe on WS slope with siphon breaker at WS shoulder.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

LM Start	1.21	Rating **	M	Issue No.	109 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45174 DS_ID:17059 EP_NO: 1605 FS_HLM: 1.197 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 2 of 3 : UCIP_FA_2015_5178.jpg



Pipe on LS toe.

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

Photo 3 of 3 : UCIP_FA_2015_5179.jpg



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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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					
Action/Comments					
Inspector Comments: 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					
Action/Comments					
Inspector Comments: FS_ID:45179 DS_ID:17063 EP_NO: N/A FS_HLM: 1.85 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 1 of 3 : UCIP_FA_2015_5199.jpg



Extensive burrowing along pipe alignment on WS slope.

* Location LS : Land Side 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

LM Start	1.85	Rating **	M	Issue No.	110 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45179 DS_ID:17063 EP_NO: N/A FS_HLM: 1.85 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 2 of 3 : UCIP_FA_2015_5200.jpg



Pipe with siphon breaker plugged on LS shoulder.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

LM Start	1.85	Rating **	M	Issue No.	110 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45179 DS_ID:17063 EP_NO: N/A FS_HLM: 1.85 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 3 of 3 : UCIP_FA_2015_5201.jpg



Pump missing from steel pier on WS toe.

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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Repair the erosion under the abandoned pump.					

Photo 1 of 2 : FA_2015_ST0010_42_107_20150910_00008.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Repair the erosion under the abandoned pump.					

Photo 2 of 2 : FA_2015_ST0010_42_107_20150910_00009.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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_ST0010_42_106_20150910_00007.jpg



View of the rodent holes under the irrigation pipe.

LM Start	2.14	Rating **	A	Issue No.	20
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.138568 °	39.138568 °
				-121.745360 °	-121.745360 °
DWR ID	DWR_ST0010_01_f_2015_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard burned and dragged both slopes.					

Photo 1 of 1 : FA_2015_ST0010_42_20_20151109_00010.jpg



View of no vegetation on both slopes.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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				
Action/Comments					
Inspector Comments: 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 : FA_2015_ST0010_42_6_20151210_00019.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 2 of 4 : FA_2015_ST0010_42_6_20151210_00020.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 3 of 4 : FA_2015_ST0010_42_6_20151210_00021.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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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				
Action/Comments					
Inspector Comments: 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 4 of 4 : FA_2015_ST0010_42_6_20151210_00022.jpg



View of the erosion along the waterside toe.

LM Start	3.30	Rating **	M	Issue No.	111
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					
Action/Comments					
Inspector Comments: FS_ID:45182 DS_ID:23097 EP_NO: N/A FS_HLM: 3.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

LM Start	3.50	Rating **	M	Issue No.	112
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					

Photo 1 of 3 : UCIP_FA_2015_5202.jpg



Action/Comments

Inspector Comments: FS_ID:45183
 DS_ID:17066
 EP_NO: N/A
 FS_HLM: 3.522
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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: 05/14/2015

Concrete U shaped headwall on LS toe under tree.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

LM Start	3.50	Rating **	M	Issue No.	112 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45183 DS_ID:17066 EP_NO: N/A FS_HLM: 3.522 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 2 of 3 : UCIP_FA_2015_5203.jpg



Pump, Pipe, walkway, power pole, and standpipe 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

LM Start	3.50	Rating **	M	Issue No.	112 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45183 DS_ID:17066 EP_NO: N/A FS_HLM: 3.522 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 3 of 3 : UCIP_FA_2015_5204.jpg



View of LS headwall silted in.

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Monitor the erosion along the waterside toe.					

Photo 1 of 1 : FA_2015_ST0010_42_3_20151109_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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Monitor the erosion along the waterside toe.					

Photo 1 of 2 : FA_2015_ST0010_42_4_20150910_00003.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 : FA_2015_ST0010_42_4_20151109_00012.jpg



View of the erosion along the waterside toe.

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Monitor the erosion along the waterside toe.					

Photo 1 of 1 : FA_2015_ST0010_42_17_20151109_00013.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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	11/04/2015 11/04/2015	Bob Duffey

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Monitor the erosion along the waterside toe.					

Photo 1 of 2 : FA_2015_ST0010_42_5_20150910_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 : FA_2015_ST0010_42_5_20151109_00014.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**

Unit Cover Sheet

Fall 2015 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)			U	
Date of Inspection	04/14/2015 - 04/14/2015		10/16/2015 - 10/16/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	23
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					
Action/Comments					
Inspector Comments: FS_ID:45186 DS_ID:17080 EP_NO: 5296 FS_HLM: 0.02 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 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: 05/14/2015					

No Photos

LM Start	1.16	Rating **	M	Issue No.	24
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					
Action/Comments					
Inspector Comments: FS_ID:45187 DS_ID:17069 EP_NO: N/A FS_HLM: 1.154 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 1 of 3 : UCIP_FA_2015_4731.jpg



Heavy rodent activity along pipe, both sides.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	24 (cont)
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					

Photo 2 of 3 : UCIP_FA_2015_4732.jpg



Action/Comments
 Inspector Comments: FS_ID:45187
 DS_ID:17069
 EP_NO: N/A
 FS_HLM: 1.154
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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: 05/14/2015

Pipe and pump facilities on WS 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	24 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45187 DS_ID:17069 EP_NO: N/A FS_HLM: 1.154 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 3 of 3 : UCIP_FA_2015_4733.jpg



Pipe and Standpipe on LS toe.

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				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_ST0010_43_3_20150910_00001.jpg



View of vehicle erosion along L/S slope.

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

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal		Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	1.38	Rating **	A	Issue No.	20
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.130125 °	39.130125 °	
			-121.753912 °	-121.753912 °	
DWR ID	DWR_ST0010_02_f_2015_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard burned and dragged both slopes.					

Photo 1 of 1 : FA_2015_ST0010_43_20_20151109_00012.jpg



View of no vegetation on both slopes.

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

Photo 1 of 2 : FA_2015_ST0010_43_11_20150910_00006.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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	1.76	Rating **	A/W	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Repair the rodent hole.					

Photo 2 of 2 : FA_2015_ST0010_43_11_20151109_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					
Action/Comments					
Inspector Comments: FS_ID:45192 DS_ID:17074 EP_NO: 1096 FS_HLM: 1.769 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 1 of 3 : UCIP_FA_2015_4875.jpg



Pump platform and power pole on WS berm.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

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					
Action/Comments					
Inspector Comments: FS_ID:45192 DS_ID:17074 EP_NO: 1096 FS_HLM: 1.769 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 2 of 3 : UCIP_FA_2015_4876.jpg



Pipe on LS with rodent activity shown.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

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					
Action/Comments					
Inspector Comments: FS_ID:45192 DS_ID:17074 EP_NO: 1096 FS_HLM: 1.769 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 3 of 3 : UCIP_FA_2015_4877.jpg



Pipe on LS with rodent activity shown.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

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					

Photo 1 of 3 : UCIP_FA_2015_4734.jpg



Pipe on left without pump.

Action/Comments

Inspector Comments: FS_ID:45193
 DS_ID:17082
 EP_NO: N/A
 FS_HLM: 1.77
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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: 05/14/2015

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	26 (cont)
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					

Photo 2 of 3 : UCIP_FA_2015_4735.jpg



Action/Comments

Inspector Comments: FS_ID:45193
 DS_ID:17082
 EP_NO: N/A
 FS_HLM: 1.77
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 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: 05/14/2015

Pipe on LS showing rodent activity.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	26 (cont)
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 °
DWR ID				-121.749712 °	-121.749712 °
Action/Comments					
Inspector Comments: FS_ID:45193 DS_ID:17082 EP_NO: N/A FS_HLM: 1.77 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 3 of 3 : UCIP_FA_2015_4736.jpg



Pipe on LS showing rodent activity.

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 °
DWR ID				-121.742847 °	-121.734611 °
Action/Comments					
Inspector Comments: 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 : FA_2015_ST0010_43_8_20151210_00016.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 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	2.41	Rating **	M	Issue No.	8 (cont)
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					
Action/Comments					
Inspector Comments: 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 2 of 2 : FA_2015_ST0010_43_8_20151210_00017.jpg



View of erosion along the waterside toe.

LM Start	3.00	Rating **	U	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					
Action/Comments					
Inspector Comments: FS_ID:45196 DS_ID:17077 EP_NO: 7209 FS_HLM: 3.04 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Tree growing near WS pipe ened 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: 05/14/2015					

Photo 1 of 3 : UCIP_FA_2015_4737.jpg



Pipe and flap gate at WS outlet.

* 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	3.00	Rating **	U	Issue No.	27 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:45196 DS_ID:17077 EP_NO: 7209 FS_HLM: 3.04 Repair Type: Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 2 of 3 : UCIP_FA_2015_4738.jpg



Heavy vegetation at LS inlet at channel.

Photo 3 of 3 : UCIP_FA_2015_4739.jpg



Bush camouflaging outlet of pipe on WS slope.

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

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	3.26	Rating **	M	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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: The erosion is scheduled for repair in 2015					

Photo 1 of 1 : FA_2015_ST0010_43_14_20150910_00007.jpg



View of the erosion along the W/S toe.

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					
Action/Comments					
Inspector Comments: FS_ID:45197 DS_ID:23098 EP_NO: N/A FS_HLM: 3.325 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	3.30	Rating **	M	Issue No.	29
LM End	3.30	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					
Action/Comments					
Inspector Comments: FS_ID:45198 DS_ID:17078 EP_NO: 10473 FS_HLM: 3.348 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: 05/14/2015					

Photo 1 of 2 : UCIP_FA_2015_4759.jpg



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

LM Start	3.30	Rating **	M	Issue No.	29 (cont)
LM End	3.30	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_4760.jpg



Pump on steel pier at WS toe.

* Location LS : Land Side 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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	3.31	Rating **	U	Issue No.	30
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					
Action/Comments					
Inspector Comments: FS_ID:45200 DS_ID:17081 EP_NO: 5622 FS_HLM: 3.351 Repair Type: Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4761.jpg



Inside of 36in. concrete riser

LM Start	3.31	Rating **	U	Issue No.	30 (cont)
LM End	3.31	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4762.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Monitor is the erosion at the waterside toe.					

Photo 1 of 2 : FA_2015_ST0010_43_5_20150910_00003.jpg



View of the erosion along the waterside toe.

LM Start	3.54	Rating **	M	Issue No.	5 (cont)
LM End	3.93	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_ST0010_43_5_20151109_00009.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					
Action/Comments					
Inspector Comments: 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 : FA_2015_ST0010_43_9_20151210_00018.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 - Fall 2015

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	10/16/2015 10/16/2015	Bob Duffey

LM Start	4.41	Rating **	M	Issue No.	9 (cont)
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					
Action/Comments					
Inspector Comments: 2011 - Small erosion pocket. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_4-3_R]					

Photo 2 of 2 : FA_2015_ST0010_43_9_20151210_00019.jpg



View of the erosion along the waterside toe.

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Monitor the erosion along the waterside toe.					

Photo 1 of 2 : FA_2015_ST0010_43_7_20150910_00005.jpg



View of the erosion along the W/S toe.

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

Photo 2 of 2 : FA_2015_ST0010_43_7_20151109_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 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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