

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Sutter Maintenance Yard Wadsworth Canal**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Sutter Maintenance Yard Wadsworth Canal

Waterway			Bank	Unit Miles
Unit No. 01 Wadsworth Canal			Left	4.66
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/19/2014 - 03/19/2014			
DWR Inspector	Bob Duffey			
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 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_ST0010_01_s _ 2013_10				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_ST0010_01_s _ 2013_11				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_ST0010_01_s _ 2013_12				
Action/Comments					

No Photos

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	8
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.113670 °	39.113670 °
				-121.768310 °	-121.768310 °
DWR ID	DWR_ST0010_01_s _ 2014_8				
Action/Comments					
Inspector Comments: FS_ID:23693					
EP_NO: 5296					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine disposition of pipe, contact pipe owner if possible5/16/2013 Same as last inspection10/29/2013 Same as last inspection.					
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: 11/6/2013 7:30:49 AM					

No Photos

LM Start	1.20	Rating **	M	Issue No.	13
LM End	1.20	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127566 °	39.127566 °
				-121.755282 °	-121.755282 °
DWR ID	DWR_ST0010_01_s _ 2014_13				
Action/Comments					
Inspector Comments: FS_ID:23694					
EP_NO: 1605					
Repair Type:					
Crossing Status:					
UCIP Comments: No pump on Pier and power lines cut. Apparently abandoned-should be abandoned properly 5/16/2013 Same as last inspection10/29/2013 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: 11/6/2013 7:31:35 AM					

Photo 1 of 1 : UCIP_3606.jpg



Pipe on WS slope with siphon breaker at WS shoulder.

* 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 - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	6
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			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. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-1_L]					

No Photos

LM Start	1.85	Rating **	M	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					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_839.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 : rduffey_s_20140304_838.jpg



View of the rodent holes under the irrigation pipe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	1.85	Rating **	M	Issue No.	15
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	DWR_ST0010_01_s _ 2014_15				

Action/Comments

Inspector Comments: FS_ID:23699

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: 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 4/29/2013 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.

FS Date: 11/6/2013 7:34:39 AM

Photo 1 of 1 : UCIP_3611.jpg



Pump missing from steel pier on WS toe.

LM Start	2.40	Rating **	M	Issue No.	14
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.141697 °	39.141697 °	
			-121.742819 °	-121.742819 °	
DWR ID	DWR_ST0010_01_s _ 2012_14				

Action/Comments

Schedule repair of erosion site prior to the next inspection.

Photo 1 of 1 : rduffey_s_20140407_163.jpg



View of the erosion along the fence.

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	2.43	Rating **	M	Issue No.	7
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.142235 °	39.153095 °
				-121.742609 °	-121.734390 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-4_L]					

No Photos

LM Start	2.76	Rating **	M	Issue No.	1
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.146063 °	39.146063 °
				-121.739288 °	-121.739288 °
DWR ID	DWR_ST0010_01_s _ 2012_1				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_834.jpg



View of erosion along W/S toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	3.22	Rating **	M	Issue No.	16
LM End	3.22	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	DWR_ST0010_01_s _ 2014_16				
Action/Comments					
Inspector Comments: FS_ID:23702					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 5/16/2013 No known permit for work 10/29/2013					
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: 11/6/2013 7:38:23 AM					

No Photos

LM Start	3.56	Rating **	M	Issue No.	3
LM End	3.59	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.					

Photo 1 of 1 : rduffey_s_20140304_835.jpg



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

* Location
LS : Land Side
WS : Water Side
CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	3.61	Rating **	A	Issue No.	17
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.157029 °	39.157029 °
				-121.732594 °	-121.732594 °
DWR ID	DWR_ST0010_01_s _ 2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : rduffey_s_20140407_164.jpg



View of the native grasses on both slopes.

LM Start	3.68	Rating **	M	Issue No.	4
LM End	3.68	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.					

Photo 1 of 1 : rduffey_s_20140304_836.jpg



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

LM Start	4.27	Rating **	M	Issue No.	5
LM End	4.27	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.					

No Photos

* Location
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WS : Water Side
CR : Crown

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

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Sutter Maintenance Yard Wadsworth Canal

Waterway			Bank	Unit Miles
Unit No. 02 Wadsworth Canal			Right	4.66
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/19/2014 - 03/19/2014			
DWR Inspector	Bob Duffey			
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 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	138
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	DWR_ST0010_02_s _ 2014_138				
Action/Comments					
Inspector Comments: FS_ID:23707					
EP_NO: 5296					
Repair Type:					
Crossing Status:					
UCIP Comments: Unable to locate any signage. Call owner to determine disposition of pipeline5/16/2013 Same as last inspection10/29/2013 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: 11/6/2013 7:43:41 AM					

No Photos

LM Start	1.15	Rating **	M	Issue No.	139
LM End	1.15	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	DWR_ST0010_02_s _ 2014_139				
Action/Comments					
Inspector Comments: FS_ID:23708					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 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 abandoned5/16/2013 Same as last inspection10/29/2013 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.					
FS Date: 11/6/2013 7:44:09 AM					

Photo 1 of 1 : UCIP_3615.jpg



Pipe and Standpipe on LS 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 - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

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 : rduffey_s_20140304_840.jpg



View of vehicle erosion along L/S slope.

LM Start	1.72	Rating **	A/W	Issue No.	15
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.133945 °	39.133945 °
				-121.750250 °	-121.750250 °
DWR ID	DWR_ST0010_02_f_2012_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : rduffey_s_20140407_165.jpg



View of the rodent activity on the w/s slope.

LM Start	1.74	Rating **	M	Issue No.	8
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			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. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-1_R]					

No Photos

* 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 - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	1.77	Rating **	M	Issue No.	140
LM End	1.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.134497 °	39.134497 °
				-121.749716 °	-121.749716 °
DWR ID	DWR_ST0010_02_s _ 2014_140				

Action/Comments

Inspector Comments: FS_ID:23713

EP_NO: 1096

Repair Type:

Crossing Status:

UCIP Comments: Heavy rodent activity on LS slope along pipe alignment 5/16/2013 Same as last inspection 10/29/2013 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 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). Asbuilt available.

FS Date: 11/6/2013 7:47:10 AM

Photo 1 of 1 : UCIP_3621.jpg



Pump on steel platform with walkway on WS berm.

LM Start	1.77	Rating **	M	Issue No.	11
LM End	1.77	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.

Photo 1 of 1 : rduffey_s_20140304_847.jpg



View of the rodent holes above the irrigation pipe.

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	1.77	Rating **	M	Issue No.	141
LM End	1.77	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	DWR_ST0010_02_s _ 2014_141				
Action/Comments					
Inspector Comments: FS_ID:23714					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 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.					
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.					
FS Date: 11/6/2013 7:47:39 AM					

No Photos

LM Start	2.44	Rating **	M	Issue No.	9
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			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. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-4_R]					

No Photos

* 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	3.30	Rating **	M	Issue No.	14
LM End	3.30	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.					

Photo 1 of 1 : rduffey_s_20140304_848.jpg



View of the erosion along the W/S toe.

LM Start	3.33	Rating **	M	Issue No.	142
LM End	3.33	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	DWR_ST0010_02_s_2014_142				
Action/Comments					
Inspector Comments: FS_ID:23718					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: 5/16/2013 No known permit for work 10/29/2013					
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: 11/6/2013 7:50:16 AM					

No Photos

* Location
LS : Land Side
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CR : Crown

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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	3.35	Rating **	M	Issue No.	143
LM End	3.35	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	DWR_ST0010_02_s_2014_143				

Action/Comments					
Inspector Comments: FS_ID:23719					
EP_NO: 10473					
Repair Type:					
Crossing Status:					
UCIP Comments: 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.					
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: 11/6/2013 7:51:00 AM					

Photo 1 of 1 : UCIP_3627.jpg



Pump on steel pier at WS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side		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 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	3.35	Rating **	M	Issue No.	144
LM End	3.35	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	DWR_ST0010_02_s_2014_144				
Action/Comments					

Action/Comments

Inspector Comments: FS_ID:23720

EP_NO: 5622

Repair Type:

Crossing Status:

UCIP Comments: 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.

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: 11/6/2013 7:51:45 AM

Photo 1 of 1 : UCIP_3630.jpg



Pump station in channel on WS

LM Start	3.46	Rating **	M	Issue No.	4
LM End	3.46	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				
Action/Comments					

Action/Comments

Note and monitor erosion site.

Photo 1 of 1 : rduffey_s_20140304_841.jpg



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

*** Location**

LS : Land Side
WS : Water Side
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	3.59	Rating **	M	Issue No.	5
LM End	3.99	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.					

Photo 1 of 1 : rduffey_s_20140304_842.jpg



View of the erosion along the waterside toe.

LM Start	4.05	Rating **	A	Issue No.	145
LM End	4.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.162959 °	39.162959 °
				-121.730621 °	-121.730621 °
DWR ID	DWR_ST0010_02_s _ 2014_145				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : rduffey_s_20140505_238.jpg



View of the native grasses on both slopes.

LM Start	4.48	Rating **	M	Issue No.	10
LM End	4.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.168659 °	39.168937 °
				-121.728016 °	-121.727905 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Small erosion pocket. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_4-3_R]					

No Photos

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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.66	03/19/2014 03/19/2014	Bob Duffey

LM Start	4.49	Rating **	M	Issue No.	6
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.168848 °	39.168848 °
				-121.728130 °	-121.728130 °
DWR ID	DWR_ST0010_02_s_2012_6				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_843.jpg



View of erosion along the W/S toe.

LM Start	4.55	Rating **	A/W	Issue No.	7
LM End	4.55	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.					

Photo 1 of 1 : rduffey_s_20140304_844.jpg



View of the erosion along the W/S toe.

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+ Issue Type
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