

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

MA0012 Sutter Maintenance Yard Maintenance Area 0012	Overall LMA Rating	Total LMA Miles						
	<b>A</b>	<b>11.06</b>						
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>								
Encroachments					1.16			
Slope Stability	0.01		0.01	0.09%				
Repair Gates	0.01		0.01	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.12	0.01		
<i>LMA Totals:</i>	0.02	0.00	0.02	0.18%	1.28	0.01	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0012**

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

\*\* 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 2014 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway		Bank	Unit Miles	
Unit No. 01 Colusa Drain		Left	11.06	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	03/12/2014 - 03/12/2014		10/22/2014 - 10/22/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff 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 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	<b>12</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	
DWR ID	DWR_MA0012_01_s_2013_12			o	
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>13</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	
DWR ID	DWR_MA0012_01_s_2013_13			o	
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>14</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	
DWR ID	DWR_MA0012_01_s_2013_14			o	
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.24</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.035889 °	39.035889 °
				-121.996882 °	-121.996882 °
DWR ID	DWR_MA0012_01_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:37905 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe 7/16/2013 Same as last inspection 12/16/2013 Same as last inspection 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 6/17/2014 12:09:33 PM					

No Photos

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>1.73</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.055711 °	39.055711 °
				-122.003252 °	-122.003252 °
DWR ID	DWR_MA0012_01_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:37937 EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet on LS filled partially with soil. Outlet blocked with soil and the flap gate wont close 7/16/2013 Same as last inspection. Make sure flapgate is closed before highwater season 12/16/2013 Same as last inspection. WS flapgate still needs to be cleaned out and shut 6/17/2014 Flap gate was cleaned out and is fully closed. LS inlet still partially full of soil. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). FS Date: 6/17/2014 12:19:56 PM					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.056847 °	39.056847 °
				-122.003288 °	-122.003288 °
DWR ID	DWR_MA0012_01_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:37940 EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be located on LS. Flap gate partially blocked and will not close completely 7/16/2013 Same as last inspection. Was told inlet is about 1/4 mile down road way next to house. Will try to get coordinates for inlet 2/16/2013 Pipe was flowing water and flap gate was being pushed open. Cannot verify if it will close all the way 9/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 48-inch drain pipe through the levee 20.0 feet below crown. Slide gate in 60-inch pipe riser on waterward slope. Flap gate and concrete headwall on waterward side. (Permit No. 9387 - Christenson). Originally included in O+M manual (1959). FS Date: 6/17/2014 12:39:29 PM					

No Photos

LM Start	<b>2.02</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>2.02</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.059773 °	39.059773 °
				-122.004391 °	-122.004391 °
DWR ID	DWR_MA0012_01_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:37941 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled with soil 7/16/2013 LS inlet is completely filled with soil. Needs to be cleaned out 2/16/2013 Same as last inspection 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on the waterward side. Concrete headwall on landward side. (Permit No. 9391 Christenson). Originally included in O+M manual (1959). FS Date: 6/17/2014 12:40:28 PM					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>2.22</b>	Rating **	C	Issue No.	<b>52</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.062465 °	39.062465 °	
			-122.005479 °	-122.005479 °	
DWR ID	DWR_MA0012_01_f_2013_52				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>2.65</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>3.76</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.067343 °	39.081684 °	
			-122.009611 °	-122.016243 °	
DWR ID	DWR_MA0012_01_s_2012_1				
Action/Comments					
Ditch					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>3.78</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>3.78</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.081949 °	39.081949 °	
			-122.016179 °	-122.016179 °	
DWR ID	DWR_MA0012_01_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:37944 EP_NO: 9388 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate inoperable, but appears to be in closed position. Flap gate held in open position. Good candidate for video inspection when, if ever, dry 7/16/2013 Water flowing through pipe so screw gate definitely not closed. Was told NOV's have been sent for owner to replace stem. Flap gate gets closed for flood season 12/16/2013 Slide gate stem is still bent. WS flapgate was closed 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 28.0 feet below the crown. Slide gate in 66-inch pipe riser on the waterward slope. Concrete headwall on the waterward side. Grouted cobble spillway from drain ditch to large canal on the landward side. (Permit No. 9388 Wallace) Originally included in the O+M manual (1959). FS Date: 6/17/2014 12:47:21 PM					

No Photos

LM Start	<b>4.33</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>4.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.089666 °	39.089666 °	
			-122.015248 °	-122.015248 °	
DWR ID	DWR_MA0012_01_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:37949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing 7/16/2013 Same as last inspection 12/16/2013 Pump has been removed for winter 6/17/2014 Same as last inspection. Pump reinstalled on pier. FIELD_STRUCT_DESC: 24-inch steel pipe through levee, 4.5 feet below crown. Pump in pump house on waterward bank. Siphon breaker valve installed on LS shoulder. FS Date: 6/17/2014 12:57:54 PM					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>4.83</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>4.83</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Repair Gates		39.096777 °	39.096777 °	
			-122.015548 °	-122.015548 °	
DWR ID	DWR_MA0012_01_f_2014_22				
Action/Comments					

Photo 1 of 1 : FA\_2014\_MA0012\_299\_22\_20141118\_00009.jpg



View of the gate that needs to be repaired.

LM Start	<b>4.83</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>4.88</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.096839 °	39.097455 °	
			-122.015568 °	-122.015581 °	
DWR ID	DWR_MA0012_01_s_2012_4				
Action/Comments					
Ditch					

No Photos

LM Start	<b>5.12</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>5.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.100898 °	39.100898 °	
			-122.016078 °	-122.016078 °	
DWR ID	DWR_MA0012_01_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:37951 EP_NO: 0 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is clogged at both the inlet and outlet. Good candidate for video inspection 7/16/2013 Same as last inspection 12/16/2013 Same as last inspection 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 48-inch CM pipe approximately 15 feet below the crown. Concrete headwalls on both ends with an automatic drainage gate on the WS. FS Date: 6/17/2014 1:01:45 PM					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>5.30</b>	Rating **	A/W	Issue No.	<b>206</b>
LM End	<b>5.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.103490 °	39.103490 °
				-122.016340 °	-122.016340 °
DWR ID	DWR_MA0012_01_s_2012_206				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_MA0012\_299\_206\_20141118\_00011.jpg



View of the rodent holes on the landside slope.

LM Start	<b>5.61</b>	Rating **	A	Issue No.	<b>23</b>
LM End	<b>5.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.107792 °	39.107792 °
				-122.016968 °	-122.016968 °
DWR ID	DWR_MA0012_01_f_2014_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_MA0012\_299\_23\_20141118\_00010.jpg



View of controlled vegetation on both slopes.

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>6.12</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>6.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114949 °	39.114949 °
				-122.017946 °	-122.017946 °
DWR ID	DWR_MA0012_01_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:37960 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leakage around pump 7/16/2013 Same as last inspection 12/16/2013 Same as last inspection 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 6/17/2014 1:13:19 PM					

No Photos

LM Start	<b>6.12</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>6.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114963 °	39.114963 °
				-122.017947 °	-122.017947 °
DWR ID	DWR_MA0012_01_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:37961 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leaks at pump head 7/16/2013 Same as last inspection 12/16/2013 Same as last inspection 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 6/17/2014 1:14:30 PM					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>6.12</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>6.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.114977 °	39.114977 °	
			-122.017947 °	-122.017947 °	
DWR ID	DWR_MA0012_01_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:37966 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leak on pump 7/16/2013 Same as last inspection 12/16/2013 Same as last inspection 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 18-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 6/17/2014 1:20:34 PM					

No Photos

LM Start	<b>6.38</b>	Rating **	C	Issue No.	<b>24</b>
LM End	<b>8.15</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		39.118211 °	39.142866 °	
			-122.019951 °	-122.022094 °	
DWR ID	DWR_MA0012_01_s_2014_24				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>7.75</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>7.75</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.137187 °	39.137187 °
				-122.022793 °	-122.022793 °
DWR ID	DWR_MA0012_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:37968 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent burrowing along sides of pipe on LS/16/2013 Same as last inspection12/16/2013 Same as last inspection6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel pipe through levee, 3.0 feet below crown. Both ends capped, terminating on levee slopes. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 6/17/2014 1:25:18 PM					

No Photos

LM Start	<b>8.82</b>	Rating **	C	Issue No.	<b>53</b>
LM End	<b>8.82</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.152245 °	39.152245 °
				-122.021782 °	-122.021782 °
DWR ID	DWR_MA0012_01_f_2013_53				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>8.92</b>	Rating **	C	Issue No.	<b>54</b>
LM End	<b>8.92</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.153702 °	39.153702 °
				-122.021773 °	-122.021773 °
DWR ID	DWR_MA0012_01_f_2013_54				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/22/2014 10/22/2014	Bob Duffey

LM Start	<b>9.03</b>	Rating **	C	Issue No.	<b>55</b>
LM End	<b>9.03</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.155207 °	39.155207 °	
			-122.021769 °	-122.021769 °	
DWR ID	DWR_MA0012_01_f_2013_55				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>9.23</b>	Rating **	U	Issue No.	<b>20</b>
LM End	<b>9.23</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.158097 °	39.158097 °	
			-122.021706 °	-122.021706 °	
DWR ID	DWR_MA0012_01_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:37972 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete Headwall tilting on WS slope 12/16/2013 Same as last inspection 12/16/2013 Same as last					

No Photos

LM Start	<b>10.72</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>10.72</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.173971 °	39.173971 °	
			-122.014362 °	-122.014362 °	
DWR ID	DWR_MA0012_01_f_2013_11				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_MA0012\_299\_11\_20141013\_00001.jpg



View of the slope vehicle erosion.

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