

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

<b>MA0005</b>	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
<b>Sutter Maintenance Yard Maintenance Area 0005</b>	<b>M *</b>	<b>32.84</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>								
Vegetation	0.02		0.02	0.06%				
Trim / Thin Trees	0.01		0.01	0.03%				
Encroachments	0.04		0.04	0.12%	5.32	0.05		
Slope Stability	0.05	0.01	0.09	0.27%				
Repair Gates	0.01		0.01	0.03%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.30	0.02		
<i>LMA Totals:</i>	0.13	0.01	0.17	0.52% *	5.62	0.07	0.00	0.00
<b>Unit No. 01 Butte Creek LB</b>	Overall Unit Rating	Total Unit Miles						
MA0005	<b>A</b>	<b>15.08</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>								
Vegetation	0.01		0.01	0.07%				
Trim / Thin Trees	0.01		0.01	0.07%				
Encroachments	0.01		0.01	0.07%	3.23			
Slope Stability	0.02		0.02	0.13%				
Repair Gates	0.01		0.01	0.07%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.13			
<i>Unit Totals:</i>	0.06	0.00	0.06	0.40%	3.36	0.00	0.00	0.00
<b>Unit No. 02 Butte Creek RB</b>	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
MA0005	<b>M *</b>	<b>16.27</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>								
Vegetation	0.01		0.01	0.06%				
Encroachments	0.03		0.03	0.18%	2.09	0.05		
Slope Stability	0.03	0.01	0.07	0.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.17	0.02		
<i>Unit Totals:</i>	0.07	0.01	0.11	0.68% *	2.26	0.07	0.00	0.00
<b>Unit No. 03 Little Chico Creek Diversion LB</b>	Overall Unit Rating	Total Unit Miles						
MA0005	<b>A</b>	<b>1.49</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
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0005**

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

\*\* 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 Maintenance Area 0005**

Waterway		Bank	Unit Miles	
Unit No. 01 Butte Creek		Left	15.08	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/12/2015 - 05/12/2015		11/05/2015 - 11/05/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Freitag Sutter Maintenance Yard		Shawn Freitag 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 Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_MA0005_01_s_2013_11				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_MA0005_01_s_2013_12				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_MA0005_01_s_2013_13				
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 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>903</b>
LM End	<b>0.56</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.690745 °	39.690745 °	
			-121.777342 °	-121.777342 °	
DWR ID	DWR_MA0005_01_s_2012_903				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_903\_20150910\_00017.jpg



View of the large elderberries along the L/S toe.

LM Start	<b>0.77</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.687917 °	39.687917 °	
			-121.777393 °	-121.777393 °	
DWR ID	DWR_MA0005_01_s_2014_32				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_32\_20150910\_00012.jpg



Trim the trees along the landside slope.

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>1.53</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.677130 °	39.677130 °	
			-121.777583 °	-121.777583 °	
DWR ID	DWR_MA0005_01_f_2014_29				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_29\_20150910\_00009.jpg



View of the prunings along the landside toe.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>1.53</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.677130 °	39.677130 °	
			-121.777583 °	-121.777583 °	
DWR ID	DWR_MA0005_01_f_2014_30				
Action/Comments					
Equipment					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_30\_20150910\_00010.jpg



View of the sprinkler pipe and equipment along the landside toe.

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.676129 °	39.676129 °	
			-121.778171 °	-121.778171 °	
DWR ID	DWR_MA0005_01_s_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_16\_20150910\_00007.jpg



View of the unauthorized vehicle ramp on the landside slope.

LM Start	<b>1.64</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>1.64</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.675763 °	39.675763 °	
			-121.778485 °	-121.778485 °	
DWR ID	DWR_MA0005_01_f_2014_34				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_34\_20150910\_00014.jpg



View of the prunings along the landside toe.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>1.66</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>1.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.675528 °	39.675528 °	
			-121.778642 °	-121.778642 °	
DWR ID	DWR_MA0005_01_s_2012_1				
Action/Comments					
Debris					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_1\_20150910\_00001.jpg



View of the removed garbage but construction supply on pallets.

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>1.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.675158 °	39.675158 °	
			-121.779025 °	-121.779025 °	
DWR ID	DWR_MA0005_01_s_2014_33				
Action/Comments					
Firewood					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_33\_20150910\_00013.jpg



View of the firewood along the landside toe.

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.673390 °	39.673390 °	
			-121.779830 °	-121.779830 °	
DWR ID	DWR_MA0005_01_s_2015_28				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_28\_20150910\_00008.jpg



View of the prunings along the landside toe.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>1.88</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>1.88</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.672627 °	39.672627 °	
			-121.779778 °	-121.779778 °	
DWR ID	DWR_MA0005_01_f_2014_35				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_35\_20150910\_00015.jpg



View of the prunings along the landside toe.

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>2.09</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Repair Gates		39.670112 °	39.670112 °	
			-121.782012 °	-121.782012 °	
DWR ID	DWR_MA0005_01_s_2012_10				
Action/Comments					
Inspector Comments: No permit.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_10\_20150910\_00006.jpg



View of the unpermitted gate.

LM Start	<b>2.54</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>2.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.663876 °	39.663876 °	
			-121.784014 °	-121.784014 °	
DWR ID	DWR_MA0005_01_f_2012_9				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_9\_20150910\_00005.jpg



View of the vehicle erosion along the landside slope.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>2.81</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>2.81</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.660203 °	39.660203 °	
			-121.785107 °	-121.785107 °	
DWR ID	DWR_MA0005_01_f_2015_36				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_36\_20151109\_00018.jpg



View of the prunings along the landside toe.

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>3.00</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.657815 °	39.657815 °	
			-121.786693 °	-121.786693 °	
DWR ID	DWR_MA0005_01_f_2015_37				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_37\_20151109\_00019.jpg



View of the prunings along the landside toe.

LM Start	<b>3.08</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>3.08</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.656735 °	39.656735 °	
			-121.787163 °	-121.787163 °	
DWR ID	DWR_MA0005_01_f_2014_2				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_2\_20150910\_00002.jpg



View of the prunings along the landside toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>904</b>
LM End	<b>3.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.649522 °	39.649522 °
				-121.787965 °	-121.787965 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:46476 DS_ID:1615 EP_NO: N/A FS_HLM: 3.666 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/5/2015 Abandoned crossing. Slide gate stem is bent and gate is inoperable. Needs to be properly abandoned. Pipe appears to be abandoned. Slide gate open and inoperable. Pipe should be properly abandoned. 5/29/2013 Same as last inspection. 11/20/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through levee, 10.5 feet below crown. Slide gate in corrugated metal riser on waterward slope. Concrete distribution box on LS toe and concrete overflow and siphon box at edge of berm. (USCE 1958) FS Date: 08/06/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_4852.jpg



Outlet in Concrete overflow box at WS berm.

Photo 2 of 3 : UCIP\_FA\_2015\_4853.jpg



CMP riser with slide gate on WS shoulder. Notice bent screw in open position.

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>904 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	En	Location *	LS

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

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**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>904 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.649522 °	39.649522 °
				-121.787965 °	-121.787965 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46476 DS_ID:1615 EP_NO: N/A FS_HLM: 3.666 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4854.jpg



Concrete distribution box on LS toe.

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>905</b>
LM End	<b>3.87</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.646217 °	39.646217 °
				-121.785431 °	-121.785431 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46477 DS_ID:1616 EP_NO: N/A FS_HLM: 3.936 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.5/29/2013 Same as last inspection.11/20/2013 Same as last inspection.6/11/2014 Same as last inspection.12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 16.5 feet below the crown. Slide gate in CMP riser on WS slope. Flap gate at WS toe. (USACE 1955) FS Date: 08/06/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_4855.jpg



Flap gate in channel at WS toe.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>905 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.646217 °	39.646217 °
				-121.785431 °	-121.785431 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:46477  
 DS\_ID:1616  
 EP\_NO: N/A  
 FS\_HLM: 3.936  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.5/29/2013 Same as last inspection.11/20/2013 Same as last inspection.6/11/2014 Same as last inspection.12/8/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 24-inch pipe through the levee, 16.5 feet below the crown. Slide gate in CMP riser on WS slope. Flap gate at WS toe. (USACE 1955)  
 FS Date: 08/06/2015

Photo 2 of 3 : UCIP\_FA\_2015\_4856.jpg



Unable to locate inlet on LS.

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>905 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4857.jpg



CMP riser and slide gate on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>906</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.645846 °	39.645846 °
				-121.785155 °	-121.785155 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46479 DS_ID:1619 EP_NO: 6544-A FS_HLM: 3.966 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP\_FA\_2015\_4858.jpg



Location of PG&E access lid 250-feet east of levee crown on south side of roadway.

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>906 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_4859.jpg



PG&E access lid on south edge of roadway.

<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 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>907</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46482 DS_ID:1620 EP_NO: N/A FS_HLM: 5.65 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_6545.jpg



54-inch CMP riser and slide gate on WS shoulder.

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>907 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_6546.jpg



Headwall at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>908</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46481 DS_ID:1768 EP_NO: N/A FS_HLM: 5.65 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_4860.jpg



Slide gate at bottom of cmp riser.

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>908 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4861.jpg



Headwall at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>908 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46481 DS_ID:1768 EP_NO: N/A FS_HLM: 5.65 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6544.jpg



Headwall at LS toe.

LM Start	<b>5.69</b>	Rating **	M	Issue No.	<b>55</b>
LM End	<b>6.23</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.622766 °	39.615666 °
				-121.773159 °	-121.777353 °
DWR ID	DWR_MA0005_01_s_2015_55				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_55\_20150910\_00016.jpg



View of the irrigation ditch along the landside toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>909</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.597725 °	39.597725 °
				-121.787257 °	-121.787257 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46503 DS_ID:1628 EP_NO: N/A FS_HLM: 7.7 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/4/2015 LS pipe end filled about 50% with soil and WS pipe end is buried. Pipe filled with soil and outlet/appurtances are burried. 5/29/2013 Same as last inspection. 11/19/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through levee, 8.5 feet below crown. Flap gate on the waterward end. Concrete "U" shaped headwall on LS toe. (USCE 1952) FS Date: 08/25/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_6563.jpg



Headwall at LS toe.

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>909 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_6564.jpg



Headwall at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>8.20</b>	Rating **	M	Issue No.	<b>910</b>
LM End	<b>8.20</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46504 DS_ID:1629 EP_NO: N/A FS_HLM: 8.332 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_6565.jpg



Flap gate at WS toe.

LM Start	<b>8.20</b>	Rating **	M	Issue No.	<b>910 (cont)</b>
LM End	<b>8.20</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_6566.jpg



Buried inlet at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>8.20</b>	Rating **	M	Issue No.	<b>910 (cont)</b>
LM End	<b>8.20</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46504 DS_ID:1629 EP_NO: N/A FS_HLM: 8.332 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6567.jpg



Outlet at WS toe.

LM Start	<b>9.08</b>	Rating **	M	Issue No.	<b>911</b>
LM End	<b>9.08</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.579908 °	39.579908 °
				-121.802790 °	-121.802790 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46507 DS_ID:1631 EP_NO: N/A FS_HLM: 9.209 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee. Need to confirm proper abandonment of pipe. Pipe should be plugged on LS.5/29/2013 Same as last inspection. 11/19/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 11.5 feet below the crown. Distribution box at the landward toe. (USACE 1955) FS Date: 08/25/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6568.jpg



Pipe at bottom of concrete distribution box.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	9.08	Rating **	M	Issue No.	911 (cont)
LM End	9.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.579908 °	39.579908 °
				-121.802790 °	-121.802790 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46507 DS_ID:1631 EP_NO: N/A FS_HLM: 9.209 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee. Need to confirm proper abandonment of pipe. Pipe should be plugged on LS. 5/29/2013 Same as last inspection. 11/19/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 11.5 feet below the crown. Distribution box at the landward toe. (USACE 1955) FS Date: 08/25/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_6569.jpg



WS shoulder.

LM Start	9.08	Rating **	M	Issue No.	911 (cont)
LM End	9.08	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_6570.jpg



Concrete distribution box at LS toe.

* 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 Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>9.54</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>10.33</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.574837 °	39.567892 °	
			-121.807913 °	-121.819283 °	
DWR ID	DWR_MA0005_01_s_2012_5				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_5\_20150910\_00003.jpg



View of the agricultural ditch along the L/S toe.

LM Start	<b>10.04</b>	Rating **	M	Issue No.	<b>912</b>
LM End	<b>10.04</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.570596 °	39.570596 °	
			-121.815215 °	-121.815215 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46512 DS_ID:1633 EP_NO: N/A FS_HLM: 10.187 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee. Pipe and headwall buried on WS, no access to slide gate. 5/29/2013 Same as last inspection. 11/19/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 12.5 feet below the crown. Slide gate on the waterward end. Flap gate and headwall on the landward end. Concrete headwall at the waterward toe. (USCE 1952) FS Date: 08/25/2015					

Photo 1 of 1 : UCIP\_FA\_2015\_6694.jpg



Flap gate and headwall at LS toe in irrigation or drainage ditch.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>10.26</b>	Rating **	M	Issue No.	<b>913</b>
LM End	<b>10.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.568523 °	39.568523 °
				-121.818232 °	-121.818232 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:46513  
 DS\_ID:1634  
 EP\_NO: N/A  
 FS\_HLM: 10.405  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee.5/29/2013 Same as last inspection.11/19/2013 Same as last inspection.6/11/2014 Same as last inspection.12/8/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal pipe through the levee, 14.5 feet below the crown. Slide gate on the waterward end on concrete headwall. Flap gate on the landward side. (USCE 1952)  
 FS Date: 08/25/2015

LM Start	<b>10.26</b>	Rating **	M	Issue No.	<b>913 (cont)</b>
LM End	<b>10.26</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_6695.jpg



Headwall and slide gate on WS toe.

Photo 2 of 3 : UCIP\_FA\_2015\_6696.jpg



headwall at WS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>10.26</b>	Rating **	M	Issue No.	<b>913 (cont)</b>
LM End	<b>10.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.568523 °	39.568523 °
				-121.818232 °	-121.818232 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46513 DS_ID:1634 EP_NO: N/A FS_HLM: 10.405 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6697.jpg



Pipe and flap gate on LS toe.

LM Start	<b>10.84</b>	Rating **	M	Issue No.	<b>914</b>
LM End	<b>10.84</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562559 °	39.562559 °
				-121.825808 °	-121.825808 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46514 DS_ID:1635 EP_NO: N/A FS_HLM: 10.987 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee. Pipe buried on both sides of levee. 5/29/2013 Same as last inspection. 11/19/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 12.2 feet below the crown. Flap gate on the waterward end. (USCE 1952) FS Date: 08/25/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_6698.jpg



Concrete headwall at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>10.84</b>	Rating **	M	Issue No.	<b>914 (cont)</b>
LM End	<b>10.84</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562559 °	39.562559 °
				-121.825808 °	-121.825808 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46514 DS_ID:1635 EP_NO: N/A FS_HLM: 10.987 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee. Pipe buried on both sides of levee. 5/29/2013 Same as last inspection. 11/19/2013 Same as last inspection. 6/11/2014 Same as last inspection. 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 12.2 feet below the crown. Flap gate on the waterward end. (USCE 1952) FS Date: 08/25/2015					

Photo 2 of 2 : UCIP\_FA\_2015\_6699.jpg



Concrete headwall at LS toe.

LM Start	<b>11.11</b>	Rating **	A	Issue No.	<b>39</b>
LM End	<b>11.11</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.559528 °	39.559528 °
				-121.828982 °	-121.828982 °
DWR ID	DWR_MA0005_01_f_2015_39				
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\_MA0005\_196\_39\_20151109\_00021.jpg



View of no 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 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>11.85</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>13.64</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.551235 °	39.531462 °	
			-121.837697 °	-121.856165 °	
DWR ID	DWR_MA0005_01_s_2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_MA0005\_196\_6\_20150910\_00004.jpg



View of the agricultural ditch along the L/S toe.

LM Start	<b>11.85</b>	Rating **	M	Issue No.	<b>915</b>
LM End	<b>11.85</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.551212 °	39.551212 °	
			-121.837724 °	-121.837724 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46527 DS_ID:1747 EP_NO: N/A FS_HLM: 12 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 8/4/2015 Pipe is buried on both ends.Pipe buried on both LS and WS.5/29/2013 Same as last inspection.11/19/2013 Same as last inspection.6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 48" Corrugated Metal Pipe riser and spurling water meter/irrigation structure. 4-foot by 6-foot concrete outlet box on LS toe.(USACE 1952) FS Date: 08/25/2015					

Photo 1 of 1 : UCIP\_FA\_2015\_6403.jpg



Buried pipe at concrete box, LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>14.46</b>	Rating **	M	Issue No.	<b>916 (cont)</b>	
LM End	<b>14.46</b>	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.522200 °	39.522200 °	
				-121.865592 °	-121.865592 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:46530 DS_ID:1639 EP_NO: N/A FS_HLM: 14.66 Repair Type: Non-Urgent Crossing Status: Found						

Photo 3 of 3 : UCIP\_FA\_2015\_6192.jpg



Headwall at inlet on LS toe.

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

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway		Bank	Unit Miles	
Unit No. 02 Butte Creek		Right	16.27	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	05/12/2015 - 05/12/2015		11/05/2015 - 11/05/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Freitag Sutter Maintenance Yard		Shawn Freitag 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 Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>1.21</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.529933 °	39.534102 °	
			-121.861563 °	-121.856947 °	
DWR ID	DWR_MA0005_02_s_2012_1				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_1\_20150910\_00001.jpg



View of the agricultural ditch along the landside toe.

LM Start	<b>1.44</b>	Rating **	U	Issue No.	<b>44</b>
LM End	<b>1.44</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.732942 °	39.732942 °	
			-121.772445 °	-121.772445 °	
DWR ID	DWR_MA0005_02_f_2015_44				
Action/Comments					
Inspector Comments: FS_ID:24148 DS_ID:1762 EP_NO: 16381 FS_HLM: 1.446 Repair Type: Urgent Crossing Status: Not Found UCIP Comments: Gasline not marked. Notes in permit indicate installation occurred. Owner needs to install markers.6/6/2013 Same as last inspection. Unable to locate.11/13/2013 Unable to locate. FIELD_STRUCT_DESC: 1 of 2: 2" gas main. (Permit No. 16381) FS Date: 11/14/2013					

No Photos

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>1.91</b>	Rating **	U	Issue No.	<b>45</b>
LM End	<b>1.91</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:46375 DS_ID:1645 EP_NO: N/A FS_HLM: 1.935 Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. Vegetation needs to be cleared from outlet. 6/6/2013 Same as last inspection. 11/12/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/25/2014 Tree is overgrowing the WS pipe outlet. Needs to be trimmed back. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 17.0 feet below the crown. Flap gate on the waterward end. Slide gate on LS toe. Concrete headwall at both toes. FS Date: 07/29/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6481.jpg



Flap gate on WS slope.

LM Start	<b>1.91</b>	Rating **	U	Issue No.	<b>45 (cont)</b>
LM End	<b>1.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_6482.jpg



Flap gate on WS slope.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>1.91</b>	Rating **	U	Issue No.	<b>45 (cont)</b>
LM End	<b>1.91</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46375 DS_ID:1645 EP_NO: N/A FS_HLM: 1.935 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6483.jpg



Concrete headwall and slide gate on LS toe.

LM Start	<b>2.87</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>2.87</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.549014 °	39.549014 °
				-121.842866 °	-121.842866 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46376 DS_ID:1646 EP_NO: 3927 FS_HLM: 2.917 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 No pump present during any of my inspections. Crossing appears abandoned. CMP riser has been knocked out of levee. Pump does not appear to be in use or is abandoned.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 2.4 feet below the crown. Siphon breaker in 24-inch corrugated metal riser on the landward shoulder. Portable pump on the waterward side. (Permit No. 3927) FS Date: 07/29/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6038.jpg



Spot where CMP riser was on the LS shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>2.87</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.549014 °	39.549014 °
				-121.842866 °	-121.842866 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46376 DS_ID:1646 EP_NO: 3927 FS_HLM: 2.917 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 No pump present during any of my inspections. Crossing appears abandoned. CMP riser has been knocked out of levee. Pump does not appear to be in use or is abandoned.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 2.4 feet below the crown. Siphon breaker in 24-inch corrugated metal riser on the landward shoulder. Portable pump on the waterward side. (Permit No. 3927) FS Date: 07/29/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_6193.jpg



Pump on metal pier at WS toe.

LM Start	<b>2.87</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_6194.jpg



Air vent in 24-inch CMP riser on LS shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>3.10</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>4.53</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.551780 °	39.567430 °	
			-121.840507 °	-121.823065 °	
DWR ID	DWR_MA0005_02_s_2012_7				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_7\_20150910\_00004.jpg



View of the agricultural ditch along the landside toe.

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.562875 °	39.562875 °	
			-121.828782 °	-121.828782 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46400 DS_ID:16300 EP_NO: N/A FS_HLM: 4.155 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 Crossing is listed as abandoned but it is not filled with concrete like crossings 1-4 here. Pipe open on WS and is not filled with concrete. 6/6/2013 Sutter Maintenance Yard supervisor Jason Cooper said there is a flap gate on the LS end of the pipe in the western most ditch to prevent high water flooding. Not sure if this is adequate, will talk to levee inspector to find out. 11/13/2013 Same as last inspection. 6/04/2014 Same as last inspection. 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 5 of 5: 60-inch drain pipe through the levee, 16.6 feet below the crown. Pipe partially plugged on LS with concrete wall. Flap gate installed on concrete plug to allow floodwater from LS to flow to WS. (USACE 1955) FS Date: 07/29/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6404.jpg



60-inch cmp open on WS.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562875 °	39.562875 °
				-121.828782 °	-121.828782 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46400 DS_ID:16300 EP_NO: N/A FS_HLM: 4.155 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 Crossing is listed as abandoned but it is not filled with concrete like crossings 1-4 here. Pipe open on WS and is not filled with concrete. 6/6/2013 Sutter Maintenance Yard supervisor Jason Cooper said there is a flap gate on the LS end of the pipe in the western most ditch to prevent high water flooding. Not sure if this is adequate, will talk to levee inspector to find out. 11/13/2013 Same as last inspection. 6/04/2014 Same as last inspection. 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 5 of 5: 60-inch drain pipe through the levee, 16.6 feet below the crown. Pipe partially plugged on LS with concrete wall. Flap gate installed on concrete plug to allow floodwater from LS to flow to WS. (USACE 1955) FS Date: 07/29/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_6405.jpg



Concrete headwall on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562875 °	39.562875 °
				-121.828782 °	-121.828782 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46400 DS_ID:16300 EP_NO: N/A FS_HLM: 4.155 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 Crossing is listed as abandoned but it is not filled with concrete like crossings 1-4 here. Pipe open on WS and is not filled with concrete. 6/6/2013 Sutter Maintenance Yard supervisor Jason Cooper said there is a flap gate on the LS end of the pipe in the western most ditch to prevent high water flooding. Not sure if this is adequate, will talk to levee inspector to find out. 11/13/2013 Same as last inspection. 6/04/2014 Same as last inspection. 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 5 of 5: 60-inch drain pipe through the levee, 16.6 feet below the crown. Pipe partially plugged on LS with concrete wall. Flap gate installed on concrete plug to allow floodwater from LS to flow to WS. (USACE 1955) FS Date: 07/29/2015					

Photo 3 of 3 : UCIP\_FA\_2015\_6406.jpg



Concrete headwall on LS shoulder

LM Start	<b>4.86</b>	Rating **	A	Issue No.	<b>37</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.570702 °	39.570702 °
				-121.818677 °	-121.818677 °
DWR ID	DWR_MA0005_02_f_2015_37				
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\_MA0005\_197\_37\_20151109\_00019.jpg



View of no vegetation on both slopes.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>5.35</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.576008 °	39.576008 °
				-121.812599 °	-121.812599 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46408 DS_ID:1650 EP_NO: N/A FS_HLM: 5.427 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 Abandoned- still cannot locate a LS ans WS pipe end. Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS. 6/6/2013 Same as last inspection. 11/12/2013 Same as last inspection. 6/04/2014 Same as last inspection. 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in 56-inch cmp riser on WS berm. Flap gate on the waterward end. (USACE 1955) FS Date: 07/29/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_6443.jpg



56-inch CMP riser on WS berm.

Photo 2 of 2 : UCIP\_FA\_2015\_6444.jpg



Slide gate and flap gate inside CMP riser on WS berm.

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	En	Location *	LS

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>5.91</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>5.91</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.583052 °	39.583052 °	
			-121.807423 °	-121.807423 °	
DWR ID	DWR_MA0005_02_s_2015_34				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_34\_20150910\_00013.jpg



View of the prunings along the landside toe.

LM Start	<b>7.75</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>7.75</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.605205 °	39.605205 °	
			-121.788453 °	-121.788453 °	
DWR ID	DWR_MA0005_02_s_2015_35				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside slope.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_35\_20151109\_00020.jpg



View of the prunings along the landside slope.

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>7.98</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.607710 °	39.607710 °	
			-121.785868 °	-121.785868 °	
DWR ID	DWR_MA0005_02_s_2012_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 2 : FA\_2015\_MA0005\_197\_13\_20150910\_00005.jpg



View of the vehicle erosion along the slope.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>7.98</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.607710 °	39.607710 °
				-121.785868 °	-121.785868 °
DWR ID	DWR_MA0005_02_s_2012_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 2 of 2 : FA\_2015\_MA0005\_197\_13\_20150910\_00006.jpg



View of the vehicle erosion along the landside slope.

LM Start	<b>8.00</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>8.00</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607802 °	39.607802 °
				-121.785597 °	-121.785597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46535 DS_ID:1656 EP_NO: N/A FS_HLM: 8.119 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 Pipe is still over 3/4 full of soil. Pipe 3/4 full with soil on LS.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.7 feet below the crown. Concrete headwall at the landward toe. Flap gate on the waterward end. (USACE 1955) FS Date: 08/26/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_6550.jpg



Concrete headwall on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>8.00</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>8.00</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607802 °	39.607802 °
				-121.785597 °	-121.785597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46535 DS_ID:1656 EP_NO: N/A FS_HLM: 8.119 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/28/2015 Pipe is still over 3/4 full of soil. Pipe 3/4 full with soil on LS.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.7 feet below the crown. Concrete headwall at the landward toe. Flap gate on the waterward end. (USACE 1955) FS Date: 08/26/2015					

Photo 2 of 2 : UCIP\_FA\_2015\_6551.jpg



Flap gate at WS toe.

LM Start	<b>8.06</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>8.06</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.608563 °	39.608563 °
				-121.785058 °	-121.785058 °
DWR ID	DWR_MA0005_02_f_2014_40				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_40\_20150910\_00016.jpg



View of the vehicle slope instability along the landside slope.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>8.80</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>8.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.618163 °	39.618163 °
				-121.778745 °	-121.778745 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:46545  
 DS\_ID:1664  
 EP\_NO: N/A  
 FS\_HLM: 8.938  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/30/2015 LS inlet is still buried. LS inlet is buried under soil and covered with brambles. Slide gate missing from LS. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 24-inch pipe through the levee, 12.0 feet below the crown. Flap gate on waterward end. Concrete headwall on the waterward end. (USACE 1957)  
 FS Date: 08/26/2015

LM Start	<b>8.80</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>8.80</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_4792.jpg



Concrete U shaped headwall and flap gate at WS toe.

Photo 2 of 3 : UCIP\_FA\_2015\_4793.jpg



Brambles and soil over pipe at inlet.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>8.80</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>8.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.618163 °	39.618163 °
				-121.778745 °	-121.778745 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46545 DS_ID:1664 EP_NO: N/A FS_HLM: 8.938 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4794.jpg



WS outlet and concrete U shaped headwall.

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>9.44</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.626894 °	39.626894 °
				-121.775180 °	-121.775180 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46547 DS_ID:1666 EP_NO: N/A FS_HLM: 9.587 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/30/2015 Pipe is 1/4 to 1/2 full of soil still.Pipe 1/2 filled with soil.6/6/2013 Same as last inspection.11/13/2013 Same as last inspection.6/4/2014 Same as last inspection.11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drain pipe through the levee, 11.2 feet below the crown. Flap gate on waterward end. Concrete "U" shaped headwalls on both ends. (USCE 1957) FS Date: 08/26/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_4795.jpg



Concrete U-shaped headwall on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.626894 °	39.626894 °
				-121.775180 °	-121.775180 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:46547  
 DS\_ID:1666  
 EP\_NO: N/A  
 FS\_HLM: 9.587  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/30/2015 Pipe is 1/4 to 1/2 full of soil still. Pipe 1/2 filled with soil. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal storm drain pipe through the levee, 11.2 feet below the crown. Flap gate on waterward end. Concrete "U" shaped headwalls on both ends. (USCE 1957)  
 FS Date: 08/26/2015

Photo 2 of 3 : UCIP\_FA\_2015\_4796.jpg



View of inlet on LS toe.

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4797.jpg



View of outlet looking toward WS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>10.38</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>10.38</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.639018 °	39.639018 °	
			-121.781458 °	-121.781458 °	
DWR ID	DWR_MA0005_02_s_2012_3				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_3\_20150910\_00002.jpg



View of the prunings along the landside toe.

LM Start	<b>10.46</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>10.46</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.639967 °	39.639967 °	
			-121.782152 °	-121.782152 °	
DWR ID	DWR_MA0005_02_s_2012_14				
Action/Comments					
Equipment					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_14\_20150910\_00007.jpg



View of the equipment along the Landside toe.

LM Start	<b>10.63</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>10.63</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.642061 °	39.642061 °	
			-121.783861 °	-121.783861 °	
DWR ID	DWR_MA0005_02_s_2012_18				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_18\_20150910\_00008.jpg



View of the vehicle erosion along the slope of the levee.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>10.79</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>10.82</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.644076 °	39.644480 °	
			-121.785471 °	-121.785762 °	
DWR ID	DWR_MA0005_02_s_2013_21				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_21\_20150910\_00010.jpg



View of the redwood trees planted along the landside toe.

LM Start	<b>10.89</b>	Rating **	U	Issue No.	<b>41</b>
LM End	<b>10.93</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.645318 °	39.645858 °	
			-121.786345 °	-121.786742 °	
DWR ID	DWR_MA0005_02_f_2014_41				
Action/Comments					
Fence Inspector Comments: Remove or apply for permit for the fence along landside toe					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_41\_20150910\_00017.jpg



View of the new fence along the landside toe.

LM Start	<b>11.05</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>11.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.647400 °	39.647400 °	
			-121.787825 °	-121.787825 °	
DWR ID	DWR_MA0005_02_f_2012_26				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>11.10</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>11.10</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.647913 °	39.647913 °
				-121.788330 °	-121.788330 °
DWR ID	DWR_MA0005_02_s_2015_36				
Action/Comments					
Tree or limb Inspector Comments: Remove the tree from the landside slope.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_36\_20150910\_00015.jpg



Remove the tree from the landside slope.

LM Start	<b>11.12</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>11.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.648185 °	39.648185 °
				-121.788563 °	-121.788563 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46553 DS_ID:1671 EP_NO: N/A FS_HLM: 11.287 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/30/2015 Abandoned crossing. Unable to locate the WS end of pipe. Pipe appears abandoned. It needs to be abandoned properly. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through the levee, 9.4 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. Concrete distribution box on the landward side. (USCE 1958) FS Date: 08/26/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_4893.jpg



Concrete pipe at edge of creek on WS.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>11.12</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>11.12</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.648185 °	39.648185 °
				-121.788563 °	-121.788563 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46553 DS_ID:1671 EP_NO: N/A FS_HLM: 11.287 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/30/2015 Abandoned crossing. Unable to locate the WS end of pipe. Pipe appears abandoned. It needs to be abandoned properly. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through the levee, 9.4 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. Concrete distribution box on the landward side. (USCE 1958) FS Date: 08/26/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_4894.jpg



CM riser with slide gate on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2015\_4895.jpg



Pipe at concrete distribution box on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>11.57</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>11.77</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.654268 °	39.657142 °	
			-121.789525 °	-121.788690 °	
DWR ID	DWR_MA0005_02_s_2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_6\_20150910\_00003.jpg



View of the ditch along the Landside toe.

LM Start	<b>12.06</b>	Rating **	M	Issue No.	<b>53</b>
LM End	<b>12.06</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.660980 °	39.660980 °	
			-121.786341 °	-121.786341 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46554 DS_ID:1672 EP_NO: N/A FS_HLM: 12.248 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/30/2015 Crossing is not abandoned. Water was flowing through the standpipe on the WS shoulder. Unable to locate the source of the water or where it was flowing to. This pipe appears to be abandoned. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch siphon pipe through the levee, 12.3 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. 5-foot X 5-foot Concrete distribution box at LS toe. (USCAE 1958) FS Date: 08/26/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_4896.jpg



Pipe at inlet to 5X5 concrete distribution box at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>12.06</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>12.06</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.660980 °	39.660980 °
				-121.786341 °	-121.786341 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:46554 DS_ID:1672 EP_NO: N/A FS_HLM: 12.248 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/30/2015 Crossing is not abandoned. Water was flowing through the standpipe on the WS shoulder. Unable to locate the source of the water or where it was flowing to. This pipe appears to be abandoned. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch siphon pipe through the levee, 12.3 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. 5-foot X 5-foot Concrete distribution box at LS toe. (USCAE 1958) FS Date: 08/26/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_4897.jpg



42-inch CMP riser on WS shoulder with slide gate.

LM Start	<b>12.06</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>12.06</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4898.jpg



5X5 concrete distribution box at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>12.80</b>	Rating **	M	Issue No.	<b>54</b>
LM End	<b>12.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.670982 °	39.670982 °
				-121.783103 °	-121.783103 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46555 DS_ID:1673 EP_NO: N/A FS_HLM: 12.991 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_4899.jpg



Broken slide gate in CM riser on WS slope.

LM Start	<b>12.80</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>12.80</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4900.jpg



Abandoned headwall on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>12.80</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>12.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.670982 °	39.670982 °
				-121.783103 °	-121.783103 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46555 DS_ID:1673 EP_NO: N/A FS_HLM: 12.991 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6479.jpg



Broken slide gate in CM riser on WS slope.

LM Start	<b>12.83</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>12.83</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.671239 °	39.671239 °
				-121.782486 °	-121.782486 °
DWR ID	DWR_MA0005_02_s_2012_19				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_19\_20150910\_00009.jpg



View of the brush pile at the toe of the levee.

LM Start	<b>13.04</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>13.04</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673956 °	39.673956 °
				-121.781278 °	-121.781278 °
DWR ID	DWR_MA0005_02_s_2012_5				
Action/Comments					
Equipment					

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 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>13.15</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>13.15</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.675311 °	39.675311 °	
			-121.780371 °	-121.780371 °	
DWR ID	DWR_MA0005_02_s_2013_22				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_22\_20150910\_00011.jpg



View of the prunings along the waterside toe.

LM Start	<b>13.15</b>	Rating **	M	Issue No.	<b>55</b>
LM End	<b>13.15</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.675379 °	39.675379 °	
			-121.780319 °	-121.780319 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46556 DS_ID:1674 EP_NO: 1291 FS_HLM: 13.353 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Pipe appears to be abandoned. Pump on WS berm is still missing. Pipe appears to be abandoned. No pump found. Pipe should be abandoned properly. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 9.0 feet below the crown. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump and 36-inch concrete standpipe on the waterward berm. (USCE 1958) Originally installed under Permit No. 1291, 1948 and described as a 14-inch concrete pipe. FS Date: 08/26/2015					

Photo 1 of 1 : UCIP\_FA\_2015\_6480.jpg



Slide gate in CM riser on WS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>13.76</b>	Rating **	A/W	Issue No.	<b>20</b>
LM End	<b>13.95</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.683630 °	39.686221 °
				-121.777916 °	-121.779051 °
DWR ID	DWR_MA0005_02_s_2012_20				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	<b>13.78</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>13.78</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.683896 °	39.683896 °
				-121.778183 °	-121.778183 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46567 DS_ID:1680 EP_NO: N/A FS_HLM: 13.993 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Unable to locate.Pipe appears to be abandoned.6/6/2013 Boiler has been removed and pipe buried on LS. Unable to locate.11/13/2013 Unable to locate.6/4/2014 Same as last inspection. Unable to locate.11/25/2014 Unable to locate. FIELD_STRUCT_DESC: 8-inch steel pipe through levee, 6.5 feet below crown. Boiler attached to LS end of pipe. (USACE 1958) FS Date: 08/26/2015					

Photo 1 of 1 : UCIP\_FA\_2015\_6484.jpg



Pipe attached at boiler on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>13.94</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>13.94</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.685961 °	39.685961 °
				-121.779041 °	-121.779041 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46568 DS_ID:1681 EP_NO: N/A FS_HLM: 14.148 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Pipe still appears abandoned.Pipe appears to be abandoned.6/6/2013 Same as last inspection.11/13/2013 Same as last inspection.6/4/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch steel pipe through levee, 7.1 feet below crown. Siphon breaker in corrugated metal riser on landward slope. One corrugated metal cutoff wall. Pipe is open on both ends. (USCE 1958) FS Date: 08/26/2015					

Photo 1 of 1 : UCIP\_FA\_2015\_6485.jpg



CM riser with siphon breaker on LS shoulder.

LM Start	<b>14.13</b>	Rating **	U	Issue No.	<b>43</b>
LM End	<b>14.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.688715 °	39.688715 °
				-121.778345 °	-121.778345 °
DWR ID	DWR_MA0005_02_f_2014_43				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_43\_20150910\_00018.jpg



View of the tilling into the landside slope.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>14.33</b>	Rating **	U	Issue No.	<b>25</b>
LM End	<b>14.33</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.691580 °	39.691580 °	
			-121.779254 °	-121.779254 °	
DWR ID	DWR_MA0005_02_s_2012_25				
Action/Comments					
Building Inspector Comments: Unpermitted structure.					

Photo 1 of 1 : FA\_2015\_MA0005\_197\_25\_20150910\_00012.jpg



View of the buildings at the landside toe.

LM Start	<b>14.60</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>14.60</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.695204 °	39.695204 °	
			-121.778557 °	-121.778557 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46572 DS_ID:1731 EP_NO: 14519 FS_HLM: 14.824 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Flapgate blocked by minor sediment buildup. Pipe outlet buried and flap gate will not function. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/25/2014 Pipe outlet needs to be dug up and flap gate closed. FIELD_STRUCT_DESC: 24-inch Soil proofed steel storm drain pipeline through the levee 12-feet below the crown. Concrete headwall on LS toe, 4'X4' concrete box with slide gate on WS shoulder. Outlet with flap gate near stream 275-feet south east of concrete box on WS shoulder. (Permit No. 14519.) FS Date: 08/26/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_3776.jpg



Concrete headwall on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>14.60</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>14.60</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.695204 °	39.695204 °
				-121.778557 °	-121.778557 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46572 DS_ID:1731 EP_NO: 14519 FS_HLM: 14.824 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Flapgate blocked by minor sediment buildup. Pipe outlet buried and flap gate will not function. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/25/2014 Pipe outlet needs to be dug up and flap gate closed. FIELD_STRUCT_DESC: 24-inch Soil proofed steel storm drain pipeline through the levee 12-feet below the crown. Concrete headwall on LS toe, 4'X4' concrete box with slide gate on WS shoulder. Outlet with flap gate near stream 275-feet south east of concrete box on WS shoulder. (Permit No. 14519.) FS Date: 08/26/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_3777.jpg



Concrete box and gate on WS shoulder.

LM Start	<b>14.60</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>14.60</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_6486.jpg



pipe at outlet with vegetation and soil blocking outlet.

<b>* Location</b> LS : Land Side 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
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 Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>15.00</b>	Rating **	M	Issue No.	<b>59</b>
LM End	<b>15.00</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.700903 °	39.700903 °
				-121.779039 °	-121.779039 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46573 DS_ID:1685 EP_NO: N/A FS_HLM: 15.233 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_3778.jpg



CMP riser on WS shoulder with slide gate.

LM Start	<b>15.00</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>15.00</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_3779.jpg



Concrete distribution box with slide gate on LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>15.26</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>15.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.704409 °	39.704409 °
				-121.777803 °	-121.777803 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46577 DS_ID:1686 EP_NO: N/A FS_HLM: 15.489 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_3780.jpg



Concrete riser on LS toe.

LM Start	<b>15.26</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>15.26</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_3781.jpg



CMP riser on WS slope with slide gate.

<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>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>15.47</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>15.47</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707544 °	39.707544 °
				-121.777701 °	-121.777701 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46576 DS_ID:1687 EP_NO: N/A FS_HLM: 15.71 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3782.jpg



Concrete headwall on LS toe.

LM Start	<b>15.47</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>15.47</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3783.jpg



Irrigation ditch at LS toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>15.47</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>15.47</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707544 °	39.707544 °
				-121.777701 °	-121.777701 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46576 DS_ID:1687 EP_NO: N/A FS_HLM: 15.71 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3784.jpg



66-inch CMP riser on WS shoulder with slide gate.

LM Start	<b>15.48</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>15.48</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707569 °	39.707569 °
				-121.777705 °	-121.777705 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46578 DS_ID:16316 EP_NO: N/A FS_HLM: 15.711 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Crossing appears in good condition but needs a cover made for the riser.Good candidate for video inspection.6/6/2013 Same as last inspection. Need to construct cover for top of standpipe.11/13/2013 Same as last inspection.6/4/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 54-inch siphon pipe through the levee, 17.8 feet below crown. Slide gate in 66-inch CMP riser on waterward side shoulder. Concrete headwall and irrigation ditch at the landward toe. Large structure in floodway likely related. (USCE 1958) FS Date: 08/26/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_3785.jpg



66-inch CMP riser on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>15.48</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>15.48</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707569 °	39.707569 °
				-121.777705 °	-121.777705 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46578 DS_ID:16316 EP_NO: N/A FS_HLM: 15.711 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/3/2015 Crossing appears in good condition but needs a cover made for the riser.Good candidate for video inspection.6/6/2013 Same as last inspection. Need to construct cover for top of standpipe.11/13/2013 Same as last inspection.6/4/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 54-inch siphon pipe through the levee, 17.8 feet below crown. Slide gate in 66-inch CMP riser on waterward side shoulder. Concrete headwall and irrigation ditch at the landward toe. Large structure in floodway likely related. (USCE 1958) FS Date: 08/26/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_3786.jpg



Related structure out in floodway.

Photo 3 of 3 : UCIP\_FA\_2015\_3787.jpg



Concrete headwall at LS toe.

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

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway		Bank	Unit Miles	
Unit No. 03 Little Chico Creek Diversion		Left	1.49	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/12/2015 - 05/12/2015		11/05/2015 - 11/05/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Freitag Sutter Maintenance Yard		Shawn Freitag 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 Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	11/05/2015 11/05/2015	Bob Duffey

LM Start	<b>0.54</b>	Rating **	A	Issue No.	<b>1</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.724152 °	39.724152 °	
			-121.780872 °	-121.780872 °	
DWR ID	DWR_MA0005_03_f_2015_1				
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\_MA0005\_198\_1\_20151109\_00001.jpg



View of no 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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