

**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>NA0003</b>		Overall LMA Rating	Total LMA Miles						
<b>Butte County Department of Public Works</b>		<b>A</b>	<b>23.78</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	0.13		0.13	0.55%					
Trim / Thin Trees	0.06		0.06	0.25%					
Encroachments					0.37	0.55			
Animal Control	0.02		0.02	0.08%					
Slope Stability	0.03		0.03	0.13%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	0.06		0.06	0.25%					
DWR UCIP Field Study					0.49	0.02			
<i>LMA Totals:</i>	0.30	0.00	0.30	1.26%	0.86	0.57	0.00	0.00	
<b>Unit No. 01 Mud Creek RB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>6.80</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					0.23	0.05			
Animal Control	0.01		0.01	0.15%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	0.06		0.06	0.88%					
DWR UCIP Field Study					0.10	0.01			
<i>Unit Totals:</i>	0.07	0.00	0.07	1.03%	0.33	0.06	0.00	0.00	
<b>Unit No. 02 Mud Creek LB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>7.96</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					0.03	0.32			
Animal Control	0.01		0.01	0.13%					
Slope Stability	0.01		0.01	0.13%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.19				
<i>Unit Totals:</i>	0.02	0.00	0.02	0.25%	0.22	0.32	0.00	0.00	
<b>Unit No. 02A Channel Slough LB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>0.26</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**

**Fall 2015 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin (cont.)**

Unit No. 03 Sycamore and Sheep Hollow Creeks RB	Overall Unit Rating	Total Unit Miles						
	A	4.05						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Slope Stability	0.02		0.02	0.49%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.09			
<i>Unit Totals:</i>	0.02	0.00	0.02	0.49%	0.09	0.00	0.00	0.00
Unit No. 04 Sycamore and Dry Creeks RB	Overall Unit Rating	Total Unit Miles						
	A	2.86						
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>								
Trim / Thin Trees	0.06		0.06	2.10%				
Encroachments					0.09	0.18		
<i>Supplemental</i>								
DWR UCIP Field Study					0.10	0.01		
<i>Unit Totals:</i>	0.06	0.00	0.06	2.10%	0.19	0.19	0.00	0.00
Unit No. 05 Big Chico Diversion LB	Overall Unit Rating	Total Unit Miles						
	A	1.85						
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	0.13		0.13	7.04%				
Encroachments					0.02			
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.13	0.00	0.13	7.04%	0.03	0.00	0.00	0.00

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

**Butte County Department of Public Works**

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

**Butte County Department of Public Works**

Waterway		Bank	Unit Miles	
Unit No. 01 Mud Creek		Right	6.80	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/21/2015 - 04/21/2015		11/17/2015 - 11/17/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	<b>2</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0003_01_s_2013_2				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>6</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0003_01_s_2013_6				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2013.					

No Photos

LM Start		Rating **	A	Issue No.	<b>10</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0003_01_s_2013_10				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>1.00</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.739268 °	39.739268 °
				-121.931891 °	-121.931891 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:32044  
 DS\_ID:19211  
 EP\_NO: N/A  
 FS\_HLM: 1.021  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/20/2014

Photo 1 of 3 : UCIP\_FA\_2015\_3886.jpg



LS view: U typed concrete headwall and CMP on levee slope.

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	En	Location *	N/A

Photo 2 of 3 : UCIP\_FA\_2015\_3887.jpg



WS view: vegetation debris blocking outlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.739268 °	39.739268 °
				-121.931891 °	-121.931891 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32044 DS_ID:19211 EP_NO: N/A FS_HLM: 1.021 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3888.jpg



WS view: U typed concrete headwall, pipe, and flapgate on levee slope.

LM Start	<b>1.29</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.29</b>	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.741277 °	39.741277 °
				-121.927485 °	-121.927485 °
DWR ID	DWR_NA0003_01_f_2014_23				
Action/Comments					
Firewood Inspector Comments: Remove the firewood from the landside toe.					

Photo 1 of 2 : FA\_2015\_NA0003\_64\_23\_20150910\_00006.jpg



View of the firewood along the landside toe.

LM Start	<b>1.29</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>1.29</b>	Issue Type +	En	Location *	N/A

Photo 2 of 2 : FA\_2015\_NA0003\_64\_23\_20151118\_00012.jpg



View of the firewood 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.745718 °	39.745718 °	
			-121.923124 °	-121.923124 °	
DWR ID	DWR_NA0003_01_s_2014_15				
Action/Comments					
Firewood Inspector Comments: Remove the firewood from the landside toe					

Photo 1 of 2 : FA\_2015\_NA0003\_64\_15\_20150910\_00004.jpg



View of the firewood along the landside toe.

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.69</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0003\_64\_15\_20151118\_00013.jpg



View of the firewood along the landside toe.

LM Start	<b>1.73</b>	Rating **	A	Issue No.	<b>28</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		39.746098 °	39.746098 °	
			-121.922672 °	-121.922672 °	
DWR ID	DWR_NA0003_01_f_2015_28				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: Butte County placed new gravel the crown roadway.					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_28\_20151118\_00014.jpg



View of the new gravel on the crown roadway.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.90</b>	Rating **	<b>U</b>	Issue No.	<b>35</b>
LM End	<b>1.90</b>	Issue Type +	<b>En</b>	Location *	<b>CR</b>
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.747563 °	39.747563 °
				-121.920170 °	-121.920170 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:41767  
 DS\_ID:19212  
 EP\_NO: N/A  
 FS\_HLM: 1.944  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/20/2014

Photo 1 of 3 : UCIP\_FA\_2015\_4518.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	<b>1.90</b>	Rating **	<b>U</b>	Issue No.	<b>35 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	<b>En</b>	Location *	<b>CR</b>

Photo 2 of 3 : UCIP\_FA\_2015\_4519.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking inlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.90</b>	Rating **	<b>U</b>	Issue No.	<b>35 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	<b>En</b>	Location *	<b>CR</b>
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.747563 °	39.747563 °
				-121.920170 °	-121.920170 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41767 DS_ID:19212 EP_NO: N/A FS_HLM: 1.944 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4568.jpg



WS view: U type concrete headwall, flapgate on levee slope. Gate was not fully closed.

LM Start	<b>2.00</b>	Rating **	<b>U</b>	Issue No.	<b>3</b>
LM End	<b>2.04</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748330 °	39.748867 °
				-121.918685 °	-121.918533 °
DWR ID	DWR_NA0003_01_s_2012_3				
Action/Comments					
Fence					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_3\_20150910\_00002.jpg



View of the fences along the L/S toe.

LM Start	<b>2.10</b>	Rating **	<b>U</b>	Issue No.	<b>24</b>
LM End	<b>2.10</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749732 °	39.749732 °
				-121.918270 °	-121.918270 °
DWR ID	DWR_NA0003_01_s_2012_24				
Action/Comments					
Building					

No Photos

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.757445 °	39.757445 °
				-121.913654 °	-121.913654 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30291 DS_ID:19230 EP_NO: 16633 FS_HLM: 2.7801 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A concrete water control box on landside shoulder.It needs confirmation and more info from LMA and/or DWR Inspector. FIELD_STRUCT_DESC: A 2-inch diameter storm water discharge pipeline through the right bank and landward levee toe of Mud Creek. Used a 2-inch coated & wrapped steel pipe. Submerged pump in 36 inch dia CMP casing approx 10 ft from landside toe. Drainage ditch, up to 4 ft wide, runs perpendicular to levee alignment starting at CMP riser and running away from levee. (App. No. 16633) FS Date: 02/20/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4171.jpg



LS view: inside view of CMP riser. Pipe, gate valve, air vent, and submersible pump in the riser.

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4172.jpg



LS view: CMP riser on levee toe and drainage ditch perpendicular to the levee.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	2.71	Rating **	M	Issue No.	36 (cont)
LM End	2.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.757445 °	39.757445 °
				-121.913654 °	-121.913654 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30291 DS_ID:19230 EP_NO: 16633 FS_HLM: 2.7801 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4173.jpg



LS view: CMP riser on levee toe (top) and control box on levee shoulder (bottom).

LM Start	2.93	Rating **	M	Issue No.	1
LM End	2.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.759755 °	39.759755 °
				-121.911160 °	-121.911160 °
DWR ID	DWR_NA0003_01_s_2012_1				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_1\_20150910\_00001.jpg



View of the pruning pile along the L/S toe.

LM Start	3.02	Rating **	M	Issue No.	25
LM End	3.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761085 °	39.761085 °
				-121.911048 °	-121.911048 °
DWR ID	DWR_NA0003_01_s_2012_25				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_25\_20150910\_00007.jpg



View of the prunings along the landside 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**

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**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.03</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>3.03</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.761224 °	39.761224 °
				-121.911108 °	-121.911108 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:30294  
 DS\_ID:19216  
 EP\_NO: N/A  
 FS\_HLM: 3.106  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Inlet and outlet needs cleaning and clearing of debris.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through levee, 8.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/20/2014

Photo 1 of 2 : UCIP\_FA\_2015\_4174.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris blocking the inlet pipe.

LM Start	<b>3.03</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>3.03</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_4175.jpg



WS view: U type concrete headwall, flapgate on levee 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	<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.15</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>3.15</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.762565 °	39.762565 °	
			-121.909873 °	-121.909873 °	
DWR ID	DWR_NA0003_01_s_2015_31				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside slope.					

Photo 1 of 2 : FA\_2015\_NA0003\_64\_31\_20150910\_00011.jpg



View of the prunings along the landside slope.

LM Start	<b>3.15</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0003\_64\_31\_20151118\_00015.jpg



View of the prunings and bait station along the landside slope.

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>3.18</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.763067 °	39.763067 °	
			-121.909608 °	-121.909608 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30295 DS_ID:19217 EP_NO: N/A FS_HLM: 3.262 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_4176.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking the inlet.

<b>* Location</b> LS : Land Side 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>3.18</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.763067 °	39.763067 °
				-121.909608 °	-121.909608 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30295 DS_ID:19217 EP_NO: N/A FS_HLM: 3.262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It needs cleaning and clearing in inlet and outlet ends. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/20/2014					

Photo 2 of 2 : UCIP\_FA\_2015\_4177.jpg



WS view: U type concrete headwall, flapgate on levee slope. Vegetation debris blocking the outlet.

LM Start	<b>3.25</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>3.25</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763993 °	39.763993 °
				-121.909108 °	-121.909108 °
DWR ID	DWR_NA0003_01_f_2014_27				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_27\_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 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.39</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>3.39</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:30310  
 DS\_ID:19218  
 EP\_NO: N/A  
 FS\_HLM: 3.4763  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing of debris.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/20/2014

Photo 1 of 3 : UCIP\_FA\_2015\_4508.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	<b>3.39</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>3.39</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4509.jpg



LS view: U type concrete headwall and CMP on levee 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	<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.39</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>3.39</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30310 DS_ID:19218 EP_NO: N/A FS_HLM: 3.4763 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4510.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

LM Start	<b>3.72</b>	Rating **	A	Issue No.	<b>30</b>
LM End	<b>3.72</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.768155 °	39.768155 °
				-121.902420 °	-121.902420 °
DWR ID	DWR_NA0003_01_f_2015_30				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Butte County sprayed the vegetation and dragged both the slopes.					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_30\_20151118\_00016.jpg



View of no vegetation on both slopes.

LM Start	<b>3.88</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>3.88</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.770292 °	39.770292 °
				-121.901428 °	-121.901428 °
DWR ID	DWR_NA0003_01_f_2015_32				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_32\_20151118\_00017.jpg



View of the prunings along the landside toe.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.97</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>3.97</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.771293 °	39.771293 °
				-121.900247 °	-121.900247 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:30311 DS_ID:19219 EP_NO: N/A FS_HLM: 4.07 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris in both ends of the pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/20/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_4511.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	<b>3.97</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>3.97</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_4512.jpg



WS view: U type concrete headwall, pipe, and flapgata on levee slope. Vegetation debris blocking outlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>4.03</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>4.03</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.771843 °	39.771843 °	
			-121.899437 °	-121.899437 °	
DWR ID	DWR_NA0003_01_f_2014_29				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_29\_20150910\_00010.jpg



View of the prunings along the landside toe.

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		39.773257 °	39.773969 °	
			-121.895618 °	-121.895078 °	
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: MUD_4-4_R]					

No Photos

LM Start	<b>4.27</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>4.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.773398 °	39.773398 °	
			-121.895765 °	-121.895765 °	
DWR ID	DWR_NA0003_01_f_2015_33				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Repair the rodent holes along the landside slope.					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_33\_20151118\_00018.jpg



View of the rodent holes 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>4.46</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>4.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775905 °	39.775905 °
				-121.893980 °	-121.893980 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:30312  
 DS\_ID:19220  
 EP\_NO: N/A  
 FS\_HLM: 4.574  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing of debris.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/20/2014

Photo 1 of 2 : UCIP\_FA\_2015\_4513.jpg



LS view: U type concrete headwall and CMP on levee slope. Needs cleaning and clearing of debris.

LM Start	<b>4.46</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>4.46</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_4514.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>4.46</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>4.46</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.775908 °	39.775908 °	
			-121.893947 °	-121.893947 °	
DWR ID	DWR_NA0003_01_s_2012_21				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0003\_64\_21\_20150910\_00005.jpg



View of the brush pile along landside toe.

LM Start	<b>4.79</b>	Rating **	C	Issue No.	<b>13</b>
LM End	<b>4.79</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.780068 °	39.780068 °	
			-121.891469 °	-121.891469 °	
DWR ID	DWR_NA0003_01_s_2013_13				
Action/Comments					
Prunings					

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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>4.81</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>4.81</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.780244 °	39.780244 °
DWR ID				-121.891267 °	-121.891267 °
Action/Comments					
Inspector Comments: FS_ID:30388 DS_ID:19221 EP_NO: N/A FS_HLM: 4.93 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe. Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on waterside ends. Grouted riprap spillway on the waterward end. CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe. O&M Manual Sac 504, May 1965. FS Date: 02/20/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_4569.jpg



LS view: Underground CM standpipe intake with steel grit on levee toe.

LM Start	<b>4.81</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>4.81</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_4570.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation/soil debris blocking outlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>5.06</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>5.06</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.783387 °	39.783387 °
				-121.888839 °	-121.888839 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41870 DS_ID:19231 EP_NO: 9874 FS_HLM: 5.19 Repair Type: Non-Urgent Crossing Status: Indicator Found					

No Photos

LM Start	<b>5.30</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>5.30</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784739 °	39.784739 °
				-121.884860 °	-121.884860 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30368 DS_ID:19223 EP_NO: N/A FS_HLM: 5.4284 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12-inch steel pipe about 14 ft below the crown. FIELD_STRUCT_DESC: 12-inch steel pipeline through levee, 14-ft below the crown. Slide gate in concrete box on waterward slope. Flap gate on waterward side. Grouted rock revetment on waterward slope. Three pumps on concrete pad on landside. FS Date: 02/24/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4515.jpg



LS view: pipe, pumps, power boxes, concrete vault on landside.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2015 11/17/2015	Bob Duffey

LM Start	5.30	Rating **	M	Issue No.	44 (cont)
LM End	5.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784739 °	39.784739 °
				-121.884860 °	-121.884860 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30368 DS_ID:19223 EP_NO: N/A FS_HLM: 5.4284 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12-inch steel pipe about 14 ft below the crown. FIELD_STRUCT_DESC: 12-inch steel pipeline through levee, 14-ft below the crown. Slide gate in concrete box on waterward slope. Flap gate on waterward side. Grouted rock revetment on waterward slope. Three pumps on concrete pad on landside. FS Date: 02/24/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4516.jpg



WS view: concrete headwall and flapgate on levee slope.

LM Start	5.30	Rating **	M	Issue No.	44 (cont)
LM End	5.30	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4517.jpg



WS view: slide gate in concrete box on levee 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	<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**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway		Bank	Unit Miles	
Unit No. 02 Mud Creek		Left	7.96	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/21/2015 - 04/21/2015		11/17/2015 - 11/17/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				

**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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.797416 °	39.797416 °
				-121.881675 °	-121.881675 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31667 DS_ID:19234 EP_NO: N/A FS_HLM: 0.277 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/11/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3212.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris on inlet box.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3213.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris on outlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.797416 °	39.797416 °
				-121.881675 °	-121.881675 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31667 DS_ID:19234 EP_NO: N/A FS_HLM: 0.277 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3214.jpg



WS view: CMP culvert with U type concrete headwall. Vegetation debris blocking outlet box.

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784062 °	39.784062 °
				-121.884344 °	-121.884344 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30403 DS_ID:19235 EP_NO: N/A FS_HLM: 1.3282 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 12.5 below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4653.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784062 °	39.784062 °
				-121.884344 °	-121.884344 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30403 DS_ID:19235 EP_NO: N/A FS_HLM: 1.3282 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 12.5 below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4654.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris in inlet pipe.

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4655.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.782980 °	39.782980 °
				-121.887834 °	-121.887834 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30743 DS_ID:19237 EP_NO: N/A FS_HLM: 1.5331 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_4524.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil in inlet area.

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_4525.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Debris in outlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>1.49</b>	Rating **	U	Issue No.	<b>3</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.782773 °	39.778972 °	
			-121.888178 °	-121.891563 °	
DWR ID	DWR_NA0003_02_s_2012_3				
Action/Comments					
Fence Inspector Comments: The fence is within the easement.					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_3\_20150910\_00002.jpg



View of the fence along the landside toe of the levee.

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.782766 °	39.782766 °	
			-121.888187 °	-121.888187 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41873 DS_ID:24803 EP_NO: 9874 FS_HLM: 1.558 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need to contact owner to determine status of crossing and install markers as appropriate. FIELD_STRUCT_DESC: A 6-inch gas main through both levees and channel of Mud Creek Downstream from old Highway 99E (Esplanade Road Bridge). (Permit No. 9874- PG and E) Indicator on landside toe. FS Date: 02/24/2014					

Photo 1 of 1 : UCIP\_FA\_2015\_4526.jpg



LS view: gasline marker on levee 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776025 °	39.776025 °
				-121.892911 °	-121.892911 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:41375  
 DS\_ID:19238  
 EP\_NO: 12619A  
 FS\_HLM: 2.113  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: - 24-inch CM pipe.- inlet and spillway may need cleaning and clearing.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. (App. 12619 - Vermillion). Replaced 24-inch pipe with 36-inch pipe. 3/79 (App.12619A)  
 FS Date: 02/24/2014

Photo 1 of 3 : UCIP\_FA\_2015\_4527.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4528.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776025 °	39.776025 °
				-121.892911 °	-121.892911 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41375 DS_ID:19238 EP_NO: 12619A FS_HLM: 2.113 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4529.jpg



WS view: U type concrete headwall and flapgate on levee slope. Vegetation debris on spillway.

LM Start	<b>2.34</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>2.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.772185 °	39.772185 °
				-121.895681 °	-121.895681 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30763 DS_ID:19239 EP_NO: N/A FS_HLM: 2.4265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4530.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	2.34	Rating **	M	Issue No.	18 (cont)
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.772185 °	39.772185 °
				-121.895681 °	-121.895681 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30763 DS_ID:19239 EP_NO: N/A FS_HLM: 2.4265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4531.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	2.34	Rating **	M	Issue No.	18 (cont)
LM End	2.34	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4532.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>2.57</b>	Rating **	A	Issue No.	<b>9</b>
LM End	<b>2.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.770788 °	39.770788 °	
			-121.899552 °	-121.899552 °	
DWR ID	DWR_NA0003_02_f_2015_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Butte County sprayed and dragged both slope.					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_9\_20151118\_00006.jpg



View of the no vegetation on both slopes.

LM Start	<b>2.74</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>2.74</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.768741 °	39.768741 °	
			-121.901176 °	-121.901176 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30783 DS_ID:19240 EP_NO: N/A FS_HLM: 2.8377 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4576.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	2.74	Rating **	M	Issue No.	19 (cont)
LM End	2.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.768741 °	39.768741 °
				-121.901176 °	-121.901176 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30783 DS_ID:19240 EP_NO: N/A FS_HLM: 2.8377 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4633.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris and soil in inlet box.

LM Start	2.74	Rating **	M	Issue No.	19 (cont)
LM End	2.74	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4634.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Gate not fully closed. Debris and soil in outlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>2.80</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>2.80</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767841 °	39.767841 °
				-121.901534 °	-121.901534 °
DWR ID	DWR_NA0003_02_f_2013_1				
Action/Comments					
Material					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_1\_20150910\_00001.jpg



View of the tree stakes along the landside slope and toe.

LM Start	<b>3.31</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>3.31</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763208 °	39.763208 °
				-121.908517 °	-121.908517 °
DWR ID	DWR_NA0003_02_f_2012_5				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_5\_20150910\_00003.jpg



View of the brush pile along 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.760847 °	39.760847 °
				-121.910265 °	-121.910265 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30803 DS_ID:19241 EP_NO: N/A FS_HLM: 3.6161 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/24/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4660.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4661.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil blocking inlet.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.760847 °	39.760847 °
				-121.910265 °	-121.910265 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30803 DS_ID:19241 EP_NO: N/A FS_HLM: 3.6161 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4662.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris and soil blocking outlet.

LM Start	<b>3.52</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>3.52</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.760582 °	39.760582 °
				-121.910303 °	-121.910303 °
DWR ID	DWR_NA0003_02_f_2015_10				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Repair the vehicle erosion along the landside slope.					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_10\_20151118\_00007.jpg



View of the vehicle erosion along the landside slope.

LM Start	<b>4.42</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>4.42</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.751120 °	39.751120 °
				-121.915977 °	-121.915977 °
DWR ID	DWR_NA0003_02_f_2015_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Repair the rodent holes along the landside slope.					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_11\_20151118\_00008.jpg



View of the rodent holes along the landside slope.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>4.55</b>	Rating **	A/W	Issue No.	<b>8</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.749639 °	39.749639 °	
			-121.917188 °	-121.917188 °	
DWR ID	DWR_NA0003_02_f_2013_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Butte County has been grouting the rodent holes.					

Photo 1 of 2 : FA\_2015\_NA0003\_65\_8\_20150910\_00005.jpg



View of the bait station placed by the rodent hole.

LM Start	<b>4.55</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0003\_65\_8\_20151118\_00009.jpg



View of the bait station by the rodent holes.

LM Start	<b>4.61</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>4.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.748731 °	39.748731 °	
			-121.917577 °	-121.917577 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31028 DS_ID:19245 EP_NO: N/A FS_HLM: 4.7749 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_4663.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>4.61</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>4.61</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.748731 °	39.748731 °
				-121.917577 °	-121.917577 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:31028  
 DS\_ID:19245  
 EP\_NO: N/A  
 FS\_HLM: 4.7749  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing of debris.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/25/2014

LM Start	<b>4.61</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>4.61</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4664.jpg



LS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP\_FA\_2015\_4665.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>5.64</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>5.64</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.738898 °	39.738898 °
				-121.930242 °	-121.930242 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31031 DS_ID:19247 EP_NO: N/A FS_HLM: 5.8226 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_4666.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	<b>5.64</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>5.64</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4667.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>5.64</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>5.64</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.738898 °	39.738898 °
				-121.930242 °	-121.930242 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31031 DS_ID:19247 EP_NO: N/A FS_HLM: 5.8226 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4668.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

LM Start	<b>6.09</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>6.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.733297 °	39.733297 °
				-121.930411 °	-121.930411 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41376 DS_ID:19248 EP_NO: N/A FS_HLM: 6.289 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 2: Two 42-inch CM pipes through the levee, 16.0 feet below the crown. Flap gates on the waterward end. Slide gates in CM pipe riser on the waterward slope. Concrete "U" headwalls on both ends. Grouted riprap apron and rock revetment on the landward end. Channel Slough drainage structure. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4669.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	6.09	Rating **	M	Issue No.	23 (cont)
LM End	6.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.733297 °	39.733297 °
				-121.930411 °	-121.930411 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41376 DS_ID:19248 EP_NO: N/A FS_HLM: 6.289 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 2: Two 42-inch CM pipes through the levee, 16.0 feet below the crown. Flap gates on the waterward end. Slide gates in CM pipe riser on the waterward slope. Concrete "U" headwalls on both ends. Grouted riprap apron and rock revetment on the landward end. Channel Slough drainage structure. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4670.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Vegetation debris on outlet box.

LM Start	6.09	Rating **	M	Issue No.	23 (cont)
LM End	6.09	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4671.jpg



WS view: slide gates in CMP risers on levee slope.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>6.09</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>6.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.733280 °	39.733280 °
				-121.930409 °	-121.930409 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41377 DS_ID:19259 EP_NO: N/A FS_HLM: 6.29 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_4672.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	<b>6.09</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>6.09</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4673.jpg



LS view: U type concrete headwall and CMPs on levee slope. Vegetation on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>6.09</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>6.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.733280 °	39.733280 °
				-121.930409 °	-121.930409 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41377 DS_ID:19259 EP_NO: N/A FS_HLM: 6.29 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4674.jpg



WS view: slide gates in CMP risers on levee slope.

LM Start	<b>6.15</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>6.15</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31034 DS_ID:19249 EP_NO: N/A FS_HLM: 6.34 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4675.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	6.15	Rating **	M	Issue No.	25 (cont)
LM End	6.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31034 DS_ID:19249 EP_NO: N/A FS_HLM: 6.34 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4676.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	6.15	Rating **	M	Issue No.	25 (cont)
LM End	6.15	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4677.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee 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	<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>6.36</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>6.36</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.729663 °	39.729663 °	
			-121.931883 °	-121.931883 °	
DWR ID	DWR_NA0003_02_f_2015_12				
Action/Comments					
Prunings Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : FA\_2015\_NA0003\_65\_12\_20151118\_00010.jpg



View of the prunings along the landside toe.

LM Start	<b>6.43</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>6.43</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.728812 °	39.728812 °	
			-121.932623 °	-121.932623 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31085 DS_ID:19251 EP_NO: N/A FS_HLM: 6.6354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3303.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	6.43	Rating **	M	Issue No.	26 (cont)
LM End	6.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.728812 °	39.728812 °
				-121.932623 °	-121.932623 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:31085 DS_ID:19251 EP_NO: N/A FS_HLM: 6.6354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_3304.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	6.43	Rating **	M	Issue No.	26 (cont)
LM End	6.43	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_3305.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>6.94</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>6.94</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.722798 °	39.722798 °
				-121.937828 °	-121.937828 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31103 DS_ID:19252 EP_NO: N/A FS_HLM: 7.15 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3306.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	<b>6.94</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>6.94</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3307.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>6.94</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>6.94</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.722798 °	39.722798 °
				-121.937828 °	-121.937828 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31103 DS_ID:19252 EP_NO: N/A FS_HLM: 7.15 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3308.jpg



WS view: U type concrete headwall, pipe, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

LM Start	<b>7.22</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>7.22</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718882 °	39.718882 °
				-121.937602 °	-121.937602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32085 DS_ID:19253 EP_NO: N/A FS_HLM: 7.445 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown. Flap gate on the waterward end. Slide gate in CMP riser on waterside shoulder. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_3819.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	7.22	Rating **	M	Issue No.	28 (cont)	
LM End	7.22	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.718882 °	39.718882 °	
				-121.937602 °	-121.937602 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:32085 DS_ID:19253 EP_NO: N/A FS_HLM: 7.445 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown. Flap gate on the waterward end. Slide gate in CMP riser on waterside shoulder. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014						

Photo 2 of 2 : UCIP\_FA\_2015\_3820.jpg



WS view: slide gates in CMP risers on waterside shoulder.

LM Start	7.23	Rating **	M	Issue No.	29	
LM End	7.23	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.718862 °	39.718862 °	
				-121.937594 °	-121.937594 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:32086 DS_ID:19260 EP_NO: N/A FS_HLM: 7.447 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 2 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014						

Photo 1 of 3 : UCIP\_FA\_2015\_3160.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>7.23</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>7.23</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718862 °	39.718862 °
				-121.937594 °	-121.937594 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32086 DS_ID:19260 EP_NO: N/A FS_HLM: 7.447 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 2 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_3161.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

LM Start	<b>7.23</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>7.23</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_3162.jpg



WS view: slide gates in CMP risers on waterside 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>7.23</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>7.23</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718849 °	39.718849 °
				-121.937580 °	-121.937580 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32087 DS_ID:19261 EP_NO: N/A FS_HLM: 7.448 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3163.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	<b>7.23</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>7.23</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3164.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>7.23</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>7.23</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718849 °	39.718849 °
				-121.937580 °	-121.937580 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32087 DS_ID:19261 EP_NO: N/A FS_HLM: 7.448 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3165.jpg



WS view: slide gates in CMP risers on waterside shoulder.

LM Start	<b>7.77</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>7.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.711436 °	39.711436 °
				-121.937135 °	-121.937135 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31129 DS_ID:19254 EP_NO: N/A FS_HLM: 8.0015 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in inlet pipe, needs cleaning and clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 18.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 02/25/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_3309.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud and vegetation on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>7.77</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>7.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.711436 °	39.711436 °
				-121.937135 °	-121.937135 °
DWR ID					

Photo 2 of 2 : UCIP\_FA\_2015\_3310.jpg



**Action/Comments**  
 Inspector Comments: FS\_ID:31129  
 DS\_ID:19254  
 EP\_NO: N/A  
 FS\_HLM: 8.0015  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Debris in inlet pipe, needs cleaning and clearing.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 18.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 02/25/2014

WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

<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**

**Butte County Department of Public Works**

Waterway		Bank	Unit Miles	
Unit No. 02A Channel Slough		Left	0.26	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/21/2015 - 04/21/2015		11/17/2015 - 11/17/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	11/17/2015 11/17/2015	Bob Duffey

LM Start	<b>0.11</b>	Rating **	A	Issue No.	<b>17</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.734465 °	39.734465 °
				-121.929417 °	-121.929417 °
DWR ID	DWR_NA0003_02A_f_2015_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Butte County sprayed and dragged both slopes.					

Photo 1 of 1 : FA\_2015\_NA0003\_66\_17\_20151118\_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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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway		Bank	Unit Miles	
Unit No. 03 Sycamore and Sheep Hollow Creeks		Right	4.05	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/21/2015 - 04/21/2015		09/22/2015 - 09/22/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.785970 °	39.785970 °	
			-121.882797 °	-121.882797 °	
DWR ID	DWR_NA0003_03_f_2015_12				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Repair the erosion on both slopes caused by motorcycle traffic.					

Photo 1 of 1 : FA\_2015\_NA0003\_67\_12\_20151013\_00002.jpg



View of the erosion on both slopes caused by motorcycle traffic.

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.786068 °	39.786068 °	
			-121.881828 °	-121.881828 °	
DWR ID	DWR_NA0003_03_s_2012_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Repair the erosion on landside slope caused by motorcycle traffic.					

Photo 1 of 1 : FA\_2015\_NA0003\_67\_3\_20150910\_00001.jpg



View of the erosion caused by motorcycles on the land side 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.786195 °	39.786195 °
				-121.881325 °	-121.881325 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32103 DS_ID:19262 EP_NO: N/A FS_HLM: 0.078 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside. The culvert was working during field inspection. FIELD_STRUCT_DESC: 42-inch CM pipe through the levee, 14 feet below the crown. Flap gate on the waterward end. Slid gate in CM riser on the waterward slope. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/11/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3166.jpg



WS view: slide gate in CMP riser on waterside shoulder.

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_3947.jpg



WS view: U type concrete headwall of CMP culvert on levee slope. Grouted riprap levee slope and spillway.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.786195 °	39.786195 °
				-121.881325 °	-121.881325 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32103 DS_ID:19262 EP_NO: N/A FS_HLM: 0.078 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3948.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

LM Start	<b>1.11</b>	Rating **	A	Issue No.	<b>13</b>
LM End	<b>1.11</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.780317 °	39.780317 °
				-121.865255 °	-121.865255 °
DWR ID	DWR_NA0003_03_f_2015_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Butte Co. sprayed and dragged both slopes.					

Photo 1 of 1 : FA\_2015\_NA0003\_67\_13\_20151013\_00004.jpg



View of both slopes with acceptable vegetation.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>1.96</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.781714 °	39.781714 °
				-121.850868 °	-121.850868 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:31900 DS_ID:19266 EP_NO: N/A FS_HLM: 1.99 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Needs location confirmation, GPS reading has not taken due to access problem. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/11/2014					

Photo 1 of 1 : UCIP\_FA\_2015\_3883.jpg



Bird's eye view: concrete headwall visible on both sides of the levee. Grouted riprap spillway on waterside.

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>2.17</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.785290 °	39.785290 °
				-121.844235 °	-121.844235 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:32124 DS_ID:19267 EP_NO: N/A FS_HLM: 2.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on each end. O&M Manual Sac 504, May 1965. FS Date: 03/07/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_3949.jpg



LS view: U type concrete headwall of CMP culvert on levee slope. Vegetation on inlet 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	2.17	Rating **	M	Issue No.	16 (cont)	
LM End	2.17	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.785290 °	39.785290 °	
				-121.844235 °	-121.844235 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:32124 DS_ID:19267 EP_NO: N/A FS_HLM: 2.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on each end. O&M Manual Sac 504, May 1965. FS Date: 03/07/2014						

Photo 2 of 2 : UCIP\_FA\_2015\_3950.jpg



WS view: concrete headwall, pipe, and flapgate on levee slope. Vegetation and mud on outlet box.

LM Start	2.22	Rating **	M	Issue No.	17	
LM End	2.22	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.785917 °	39.785917 °	
				-121.844502 °	-121.844502 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:41872 DS_ID:19268 EP_NO: 14512 FS_HLM: 2.27 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and install gasoline markers if appropriate. FIELD_STRUCT_DESC: 6-inch steel gas pipeline through the levee, 2 feet below the crown. Paddle marker on landward slope. (Permit No. 14512) FS Date: 03/07/2014						

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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>3.08</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>3.08</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.778016 °	39.778016 °
				-121.854460 °	-121.854460 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:31901  
 DS\_ID:19269  
 EP\_NO: N/A  
 FS\_HLM: 3.14  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing the culvert.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/07/2014

Photo 1 of 2 : UCIP\_FA\_2015\_3884.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	<b>3.08</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.08</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_3885.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777410 °	39.777410 °
				-121.849627 °	-121.849627 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31864 DS_ID:19271 EP_NO: N/A FS_HLM: 3.41 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3168.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3169.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777410 °	39.777410 °
				-121.849627 °	-121.849627 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31864 DS_ID:19271 EP_NO: N/A FS_HLM: 3.41 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3170.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777139 °	39.777139 °
				-121.846769 °	-121.846769 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31856 DS_ID:19272 EP_NO: N/A FS_HLM: 3.571 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/07/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3279.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777139 °	39.777139 °
				-121.846769 °	-121.846769 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:31856 DS_ID:19272 EP_NO: N/A FS_HLM: 3.571 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/07/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_3280.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.50</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_3281.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>3.65</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>3.65</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777381 °	39.777381 °
				-121.844052 °	-121.844052 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31851 DS_ID:19273 EP_NO: 14512 FS_HLM: 3.724 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 1 : UCIP\_FA\_2015\_3269.jpg



WS view: 6-inch steel pipe attached to Cohasset Road Bridge. Needs confirmation from LMA whether this is a gasoline.

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>3.68</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777662 °	39.777662 °
				-121.843489 °	-121.843489 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32125 DS_ID:19275 EP_NO: N/A FS_HLM: 3.76 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The culvert was working during the field visit. Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/04/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_3952.jpg



LS view: U type concrete headwall and pipe on levee slope. Soil/mud on inlet box. Vegetation debris blocking inlet 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>3.68</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777662 °	39.777662 °
				-121.843489 °	-121.843489 °
DWR ID					

Photo 2 of 2 : UCIP\_FA\_2015\_3953.jpg



**Action/Comments**  
 Inspector Comments: FS\_ID:32125  
 DS\_ID:19275  
 EP\_NO: N/A  
 FS\_HLM: 3.76  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: The culvert was working during the field visit. Needs cleaning and clearing on both ends of the pipe.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 7.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/04/2014

WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

<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**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway		Bank	Unit Miles	
Unit No. 04 Sycamore and Dry Creeks		Right	2.86	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/21/2015 - 04/21/2015		09/22/2015 - 09/22/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:32026  
 DS\_ID:19279  
 EP\_NO: N/A  
 FS\_HLM: 0.281  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing the culvert.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/07/2014

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_3530.jpg



LS view: U type concrete headwall and CMP on levee slope. Mud and pebbles on inlet box.

Photo 2 of 3 : UCIP\_FA\_2015\_3531.jpg



WS view: U type concrete headwall and CMP on levee slope. Mud and vegetation debris on outlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32026 DS_ID:19279 EP_NO: N/A FS_HLM: 0.281 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3532.jpg



WS view: concrete headwall and grouted riprap spillway on levee slope.

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775926 °	39.775926 °
				-121.850647 °	-121.850647 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32025 DS_ID:19280 EP_NO: N/A FS_HLM: 0.343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward end. O&M Manual Sac 504, May 1965. FS Date: 03/07/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3527.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775926 °	39.775926 °
				-121.850647 °	-121.850647 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:32025  
 DS\_ID:19280  
 EP\_NO: N/A  
 FS\_HLM: 0.343  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box. Needs cleaning and clearing the culvert.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/07/2014

Photo 2 of 3 : UCIP\_FA\_2015\_3528.jpg



WS view: inside view of slide gate in CMP riser on waterside shoulder. Debris trapped in the riser.

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_3529.jpg



WS view: slide gate in CMP riser on waterside 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32023 DS_ID:19281 EP_NO: N/A FS_HLM: 0.366 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3524.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3525.jpg



LS view: U type concrete headwall and CMP on levee slope. Pebbles and mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32023 DS_ID:19281 EP_NO: N/A FS_HLM: 0.366 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3526.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

LM Start	<b>0.71</b>	Rating **	U	Issue No.	<b>22</b>
LM End	<b>0.71</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.772907 °	39.772907 °
				-121.845949 °	-121.845949 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31968 DS_ID:19284 EP_NO: N/A FS_HLM: 0.749 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate missing. Pipe support needs to be repaired. Needs cleaning and clearing the pipe outlet. FIELD_STRUCT_DESC: 12-inch CM pipe through the patrol road, 4.3 feet below the crown. FS Date: 03/07/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3495.jpg



WS view: close view of CM outfall drain pipe with vegetation debris covered. Flap gate was missing from the pipe end.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	0.71	Rating **	U	Issue No.	22 (cont)
LM End	0.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.772907 °	39.772907 °
				-121.845949 °	-121.845949 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31968 DS_ID:19284 EP_NO: N/A FS_HLM: 0.749 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate missing. Pipe support needs to be repaired. Needs cleaning and clearing the pipe outlet. FIELD_STRUCT_DESC: 12-inch CM pipe through the patrol road, 4.3 feet below the crown. FS Date: 03/07/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_3496.jpg



WS view: close view of CM outfall drain pipe with vegetation debris covered.

LM Start	0.71	Rating **	U	Issue No.	22 (cont)
LM End	0.71	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_3497.jpg



WS view: CM outfall drain pipe on levee 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	<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775704 °	39.775704 °
				-121.850901 °	-121.850901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32143 DS_ID:19287 EP_NO: N/A FS_HLM: 0.956 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_3951.jpg



WS view: U type concrete headwall and CMP on levee slope. Soil/mud on outlet box. Needs cleaning and clearing.

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_3954.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation and mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775729 °	39.775729 °
				-121.850950 °	-121.850950 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31946 DS_ID:19293 EP_NO: 15950 FS_HLM: 0.959 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP\_FA\_2015\_3992.jpg



WS view: close up view of little gasline indicator.

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_3993.jpg



WS view: little gasline indicator (yellow flags) on both sides of the levee.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32144 DS_ID:19288 EP_NO: N/A FS_HLM: 0.975 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3955.jpg



WS view: slide gate in CMP riser on waterside. No access to CMP riser.

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4072.jpg



LS view: close view of vegetation debris and mud on inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32144 DS_ID:19288 EP_NO: N/A FS_HLM: 0.975 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4073.jpg



LS view: U type concrete headwall of CMP culvert on levee slope. Vegetation debris and mud on inlet box.

LM Start	<b>0.94</b>	Rating **	U	Issue No.	<b>1</b>
LM End	<b>1.01</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776013 °	39.776595 °
				-121.851175 °	-121.852005 °
DWR ID	DWR_NA0003_04_s_2012_1				
Action/Comments					
Fence Inspector Comments: Chainlink fences are unpermitted.					

Photo 1 of 1 : FA\_2015\_NA0003\_68\_1\_20150910\_00001.jpg



View of the fence and trees along the landside toe of the levee.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	1.11	Rating **	M	Issue No.	26
LM End	1.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776709 °	39.776709 °
				-121.853932 °	-121.853932 °
DWR ID					

**Action/Comments**  
 Inspector Comments: FS\_ID:31963  
 DS\_ID:19289  
 EP\_NO: N/A  
 FS\_HLM: 1.15  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing the culvert.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 11.0 feet below the flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/07/2014

LM Start	1.11	Rating **	M	Issue No.	26 (cont)
LM End	1.11	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2015\_4015.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

Photo 2 of 2 : UCIP\_FA\_2015\_4016.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>1.11</b>	Rating **	U	Issue No.	<b>3</b>
LM End	<b>1.22</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.7776760 °	39.777650 °	
			-121.854022 °	-121.855687 °	
DWR ID	DWR_NA0003_04_s_2012_3				
Action/Comments					
Fence					

Photo 1 of 1 : FA\_2015\_NA0003\_68\_3\_20150910\_00003.jpg



View of the fence along the L/S toe.

LM Start	<b>1.16</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.777128 °	39.777580 °	
			-121.854763 °	-121.855612 °	
DWR ID	DWR_NA0003_04_f_2015_17				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Remove the trees that are overhanging the levee slope.					

Photo 1 of 1 : FA\_2015\_NA0003\_68\_17\_20151013\_00004.jpg



View of the trees overhanging the levee slope.

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.36</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.778003 °	39.778378 °	
			-121.856403 °	-121.857953 °	
DWR ID	DWR_NA0003_04_s_2012_2				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2015\_NA0003\_68\_2\_20150910\_00002.jpg



View of ditch at 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	1.35	Rating **	M	Issue No.	27
LM End	1.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.778370 °	39.778370 °
				-121.857904 °	-121.857904 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:31964  
 DS\_ID:19290  
 EP\_NO: N/A  
 FS\_HLM: 1.4  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing the culvert.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/07/2014

LM Start	1.35	Rating **	M	Issue No.	27 (cont)
LM End	1.35	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2015\_4017.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

Photo 2 of 2 : UCIP\_FA\_2015\_4018.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>1.62</b>	Rating **	A	Issue No.	<b>18</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.778842 °	39.778842 °	
			-121.862935 °	-121.862935 °	
DWR ID	DWR_NA0003_04_f_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Butte Co. sprayed and dragged oh slopes.					

Photo 1 of 1 : FA\_2015\_NA0003\_68\_18\_20151013\_00005.jpg



View of the slope with acceptable vegetation.

LM Start	<b>2.15</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>2.15</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.782777 °	39.782777 °	
			-121.871179 °	-121.871179 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31965 DS_ID:19291 EP_NO: N/A FS_HLM: 2.22 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 03/07/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4019.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>2.15</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.782777 °	39.782777 °
				-121.871179 °	-121.871179 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:31965  
 DS\_ID:19291  
 EP\_NO: N/A  
 FS\_HLM: 2.22  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Needs cleaning and clearing the culvert.  
 FIELD\_STRUCT\_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.  
 FS Date: 03/07/2014

Photo 2 of 3 : UCIP\_FA\_2015\_4020.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

LM Start	<b>2.15</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4021.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>2.47</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>2.47</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784244 °	39.784244 °
				-121.876810 °	-121.876810 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31966 DS_ID:19292 EP_NO: N/A FS_HLM: 2.551 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3494.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

LM Start	<b>2.47</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>2.47</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_4022.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in pipe and inlet box.

<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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	09/22/2015 09/22/2015	Bob Duffey

LM Start	<b>2.47</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>2.47</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784244 °	39.784244 °
				-121.876810 °	-121.876810 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:31966 DS_ID:19292 EP_NO: N/A FS_HLM: 2.551 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4023.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

<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**

**Butte County Department of Public Works**

Waterway		Bank	Unit Miles	
Unit No. 05 Big Chico Diversion		Left	1.85	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/21/2015 - 04/21/2015		09/23/2015 - 09/23/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	09/23/2015 09/23/2015	Bob Duffey

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.26</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.761957 °	39.761892 °	
			-121.792867 °	-121.793705 °	
DWR ID	DWR_NA0003_05_f_2014_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the vegetation from the waterside slope.					

Photo 1 of 2 : FA\_2015\_NA0003\_69\_4\_20150910\_00002.jpg



View of the vegetation along the waterside slope.

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.26</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2015\_NA0003\_69\_4\_20151013\_00004.jpg



View of the vegetation along the waterside slope.

LM Start	<b>0.25</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.25</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.761900 °	39.761900 °	
			-121.793635 °	-121.793635 °	
DWR ID	DWR_NA0003_05_f_2015_7				
Action/Comments					
Tree or limb Inspector Comments: Remove the trees overhanging the waterside slope.					

Photo 1 of 1 : FA\_2015\_NA0003\_69\_7\_20151013\_00005.jpg



View of the trees along the waterside 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	09/23/2015 09/23/2015	Bob Duffey

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.761795 °	39.761795 °	
			-121.793790 °	-121.793790 °	
DWR ID	DWR_NA0003_05_f_2015_8				
Action/Comments					
Tree or limb Inspector Comments: Remove the trees from the landside toe.					

Photo 1 of 1 : FA\_2015\_NA0003\_69\_8\_20151013\_00007.jpg



View of the trees along the landside toe.

LM Start	<b>0.34</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.761633 °	39.761117 °	
			-121.795155 °	-121.796464 °	
DWR ID	DWR_NA0003_05_f_2013_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the vegetation from the landside slope and toe.					

Photo 1 of 2 : FA\_2015\_NA0003\_69\_3\_20150910\_00001.jpg



View of the vegetation along the landside slope and toe

LM Start	<b>0.34</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0003\_69\_3\_20151013\_00008.jpg



View of the vegetation along the landside slope and 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**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	09/23/2015 09/23/2015	Bob Duffey

LM Start	<b>0.89</b>	Rating **	A/W	Issue No.	<b>6</b>
LM End	<b>0.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.764397 °	39.764397 °	
			-121.803335 °	-121.803335 °	
DWR ID	DWR_NA0003_05_f_2014_6				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry is not completely blocking the visibility.					

Photo 1 of 1 : FA\_2015\_NA0003\_69\_6\_20150910\_00003.jpg



View of the elderberry along the landside toe.

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>1.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.769761 °	39.769761 °	
			-121.808152 °	-121.808152 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41440 DS_ID:19300 EP_NO: 13368 FS_HLM: 1.35 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No marker or indicator found. FIELD_STRUCT_DESC: 15-inch concrete sewer line through the levee and Big Chico Diversion channel, 3 feet below the channel. (App. 13368 - Chico Sewer District) FS Date: 03/04/2014					

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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