

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	2
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.	6
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.	10
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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.00	Rating **	M	Issue No.	1
LM End	3.00	Issue Type +	Ma	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_2014_NA0003_64_1_20141013_00001.jpg



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

LM Start	3.10	Rating **	M	Issue No.	25
LM End	3.10	Issue Type +	Ma	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_2014_NA0003_64_25_20141013_00006.jpg



View of the prunings along the landside toe.

LM Start	4.37	Rating **	M	Issue No.	8
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.773257 °	39.773969 °
				-121.895618 °	-121.895078 °
DWR ID	DWR_NA0003_01_f_2014_8				
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. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: MUD_4-4_R]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	4.58	Rating **	M	Issue No.	21
LM End	4.58	Issue Type +	Ma	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_2014_NA0003_64_21_20141013_00005.jpg



View of the brush pile along landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.42	Rating **	M	Issue No.	5
LM End	3.42	Issue Type +	Ma	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_2014_NA0003_65_5_20141013_00003.jpg



View of the brush pile along landside toe.

LM Start	3.45	Rating **	C	Issue No.	6
LM End	3.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.762853 °	39.762853 °
				-121.908653 °	-121.908653 °
DWR ID	DWR_NA0003_02_s_2013_6				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.48	Rating **	A/W	Issue No.	12
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.762408 °	39.762408 °
				-121.908805 °	-121.908805 °
DWR ID	DWR_NA0003_02_f_2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0003_65_12_20141118_00010.jpg



View of the rodent holes along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.09	Rating **	A	Issue No.	17
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.734100 °	39.734100 °
				-121.929570 °	-121.929570 °
DWR ID	DWR_NA0003_02A_f_2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0003_66_17_20141118_00001.jpg



View of controlled vegetation on both slopes.

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View of controlled vegetation on both slopes.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.47	Rating **	A	Issue No.	17
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.778443 °	39.778443 °
				-121.859108 °	-121.859108 °
DWR ID	DWR_NA0003_04_f_2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0003_68_17_20141118_00004.jpg



View of controlled vegetation on both slopes.

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