

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		°	°	°
DWR ID	DWR_RD0784_01_s_2013_4				
Action/Comments					
Inspector Comments: O&M manuals are located at the district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_RD0784_01_s_2013_5				
Action/Comments					
Inspector Comments: RD 784 participates with the neighboring districts to strategically place flood fight supplies around the local districts for fast response. They also have a shipping container at their district office full of flood fight supplies.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		°	°	°
DWR ID	DWR_RD0784_01_s_2013_6				
Action/Comments					
Inspector Comments: RD 784 and its employees host and participate in a Flood Fight class put on by DWR every fall in their district.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	0.83	Rating **	A	Issue No.	3
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.129794 °	39.129794 °	
			-121.566146 °	-121.566146 °	
DWR ID	DWR_RD0784_01_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_178_3_20141003_00005.jpg



This photo was taken from the levee crown facing west looking down the waterward levee slope at acceptable vegetation maintenance.

LM Start	1.28	Rating **	M	Issue No.	2
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.129783 °	39.129783 °	
			-121.574384 °	-121.574384 °	
DWR ID	DWR_RD0784_01_s_2012_2				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD0784_178_2_20140929_00001.jpg



W/S slope vegetation, Elderberry.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Feather River	Left	2.54	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	1.33	Rating **	A	Issue No.	2
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.107673 °	39.107673 °	
			-121.586411 °	-121.586411 °	
DWR ID	DWR_RD0784_02A_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_531_2_20141003_00002.jpg



This photo was taken from the levee crown facing south looking down the landward levee slope at acceptable vegetation maintenance.

* 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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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B Feather River	Left	3.95	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	8.72	Rating **	M	Issue No.	7
LM End	9.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.009366 °	39.004549 °
				-121.579766 °	-121.579143 °
DWR ID	DWR_RD0784_02A_f_2014_3				
Action/Comments					
Inspector Comments: 2003 - Bank is near vertical. Identified as a Potentially Critical site. 2004 - Eddy flow off downstream end of Modesto formation eroding the fluvial sediments. 2005 - Some new slumping. Actively eroding but berm width is greater than 50 ft. 2006 - Downgraded to regular erosion site. Still actively eroding. Large old rotational failures in high bank on the downstream end. 2008 - Removed from inventory due to wide berm width does not meet criteria for an erosion site. 2010 - Added back to the inventory after 10 ft of bank erosion in the winter 2009 storm. Steep vertical face. 2011 - Bank has retreated an additional 2.5 ft from last year. New tree popouts and erosion throughout the site. 2012 - Site continues to worsen with new tree popouts and many sections of new erosion. 2013: No observed changes. [2013 Site ID: FHR_17-8_L]					

Photo 1 of 1 : FA_2014_RD0784_532_7_20140929_00005.jpg



USACE 2013 Photo #1

LM Start	9.52	Rating **	A	Issue No.	3
LM End	9.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.002279 °	39.002279 °
				-121.579388 °	-121.579388 °
DWR ID	DWR_RD0784_02B_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_532_3_20141003_00004.jpg



This photo was taken from the levee crown facing south looking down the waterward levee slope at acceptable vegetation maintenance.

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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03A Bear River	Right	0.78	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	3.19	Rating **	A	Issue No.	2
LM End	3.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.974679 °	38.974679 °	
			-121.535478 °	-121.535478 °	
DWR ID	DWR_RD0784_03A_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_533_2_20141003_00002.jpg



This photo was taken from the levee crown facing east looking down the waterward levee slope at acceptable vegetation maintenance.

LM Start	4.31	Rating **	M	Issue No.	3
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.981400 °	38.981271 °	
			-121.515848 °	-121.515999 °	
DWR ID	DWR_RD0784_03A_f_2014_3				
Action/Comments					
Inspector Comments: 2009 - Small site which could be repaired with maintenance. Erosion into the levee toe, rock has started to fail. 2013: No observed changes. [2013 Site ID: BER_4-9_R]					

Photo 1 of 1 : FA_2014_RD0784_533_3_20140929_00001.jpg



USACE 2013 Photo #1

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03B Bear River	Right	1.49	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	4.12	Rating **	A	Issue No.	2
LM End	4.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.979542 °	38.979542 °	
			-121.518508 °	-121.518508 °	
DWR ID	DWR_RD0784_03B_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_534_2_20141003_00002.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	2.10	Rating **	A	Issue No.	11
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.004504 °	39.004504 °	
			-121.538492 °	-121.538492 °	
DWR ID	DWR_RD0784_05_f_2014_11				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_182_11_20141003_00009.jpg



This photo was taken from the levee crown facing west looking down the waterward levee slope at acceptable vegetation maintenance.

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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 South Dry Creek	Right	0.25	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	0.18	Rating **	A	Issue No.	18
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.986983 °	38.986983 °	
			-121.507783 °	-121.507783 °	
DWR ID	DWR_RD0784_06_f_2014_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_183_18_20141003_00016.jpg



This photo was taken from the levee crown facing east looking down the landward levee slope at acceptable vegetation maintenance.

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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Three Rivers	Right	1.93	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	0.61	Rating **	A	Issue No.	1
LM End	0.61	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.957281 °	38.957281 °	
			-121.564089 °	-121.564089 °	
DWR ID	DWR_RD0784_08_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_437_1_20141013_00002.jpg



This photo was taken from the crown facing east looking down the landward levee slope at acceptable vegetation maintenance.

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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Feather River	Left	5.71	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	4.82	Rating **	A	Issue No.	1
LM End	4.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.022142 °	39.022142 °	
			-121.584782 °	-121.584782 °	
DWR ID	DWR_RD0784_09_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0784_530_1_20141003_00002.jpg



This photo was taken from the levee crown facing south looking down the waterward levee slope at acceptable vegetation maintenance.

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