

**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

<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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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.

<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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**Reclamation District No. 0784 Plumas Lake**

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.

<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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## 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. 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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## 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. 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

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



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**Reclamation District No. 0784 Plumas Lake**

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



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

<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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**Reclamation District No. 0784 Plumas Lake**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Interceptor Canal	Right	6.33	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	1.55	Rating **	A	Issue No.	3
LM End	1.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997023 °	38.997023 °
				-121.539335 °	-121.539335 °
DWR ID	DWR_RD0784_04_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_RD0784\_181\_3\_20141003\_00004.jpg



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

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	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. 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.

<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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**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.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	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. 07 Yuba River	Left	3.82	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	1.97	Rating **	A	Issue No.	2
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.147537 °	39.147537 °
				-121.520566 °	-121.520566 °
DWR ID	DWR_RD0784_07_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_RD0784\_184\_2\_20141003\_00003.jpg



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

<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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**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.

<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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**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.

<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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