

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	03/21/2018 03/21/2018	Sterling York

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				
Comment Code					
Inspector Comment					
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				
Comment Code					
Inspector Comment					
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, and three containers at another district full of flood fight supplies.					

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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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yuba River	Left	2.21	03/21/2018 03/21/2018	Sterling York

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				o		o
					o		o
DWR ID	DWR_RD0784_01_s_2013_6						
Comment Code							
Inspector Comment							
RD 784 and its employees host and participate in a Flood Fight class put on by DWR every fall in their district.							

No Photos

LM Start	0.04	Rating **	A	Issue No.	3	
LM End	2.20	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.134439 °		39.125908 °
				-121.552688 °		-121.588626 °
DWR ID	DWR_RD0784_01_s_2018_3					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : SP_2018_RD0784_178_3_20180409_00007.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

* 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	03/21/2018 03/21/2018	Sterling York

LM Start	0.04	Rating **	A	Issue No.	2
LM End	2.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.134439 °	39.125908 °
				-121.552689 °	-121.588626 °
DWR ID	DWR_RD0784_01_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0784_178_2_20180409_00008.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Feather River	Left	2.54	03/21/2018 03/21/2018	Sterling York

LM Start		Rating **	C	Issue No.	1
LM End		Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.956165 °		
			-121.577400 °		
DWR ID	DWR_RD0784_02A_f_2017_1				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:221 Site Designation:LMA-28 Repair Type: Erosion Rating:Area of Concern Field Date:6/6/2017 Notes: This 2017 Storm Damage is located in Unit 2B, not Unit 2A. LMA not aware of erosion, and no levee erosion found. About 400' into channel there is some erosion at the inlet and outlet of a culvert.					

No Photos

LM Start	0.02	Rating **	A	Issue No.	3
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.125496 °	39.090499 °	
			-121.588649 °	-121.584667 °	
DWR ID	DWR_RD0784_02A_s_2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_531_3_20180409_00004.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Feather River	Left	2.54	03/21/2018 03/21/2018	Sterling York

LM Start	0.02	Rating **	A	Issue No.	2
LM End	2.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.125495 °	39.090499 °
				-121.588649 °	-121.584667 °
DWR ID	DWR_RD0784_02A_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_531_2_20180409_00005.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B Feather River	Left	3.95	03/21/2018 03/21/2018	Sterling York

LM Start	8.96	Rating **	A/W	Issue No.	1
LM End	9.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.009366 °	39.004549 °
				-121.579766 °	-121.579143 °
DWR ID	DWR_RD0784_02B_f_2015_1				
Comment Code					
Inspector Comment					
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. 2015: Last observed in 2013. [2015 Site ID: FHR_17-8_L]					

Photo 1 of 1 : SP_2018_RD0784_532_1_20180302_00001.jpg



USACE 2013 Photo #1

LM Start	8.97	Rating **	A	Issue No.	2
LM End	12.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.009879 °	38.954721 °
				-121.579154 °	-121.574747 °
DWR ID	DWR_RD0784_02B_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_532_2_20180409_00007.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

* 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	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B Feather River	Left	3.95	03/21/2018 03/21/2018	Sterling York

LM Start	8.97	Rating **	A	Issue No.	3
LM End	12.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.009879 °	38.954721 °
				-121.579154 °	-121.574747 °
DWR ID	DWR_RD0784_02B_s _ 2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_532_3_20180409_00008.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

LM Start	12.71	Rating **	C	Issue No.	4
LM End	12.71	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.956466 °	38.956466 °
				-121.576798 °	-121.576798 °
DWR ID	DWR_RD0784_02B_s _ 2018_4				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:221					
Site Designation:LMA-28					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/6/2017					
Notes: This 2017 Storm Damage is located in Unit 2B, not Unit 2A. LMA not aware of erosion, and no levee erosion found. About 400' into channel there is some erosion at the inlet and outlet of a culvert.					

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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Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03A Bear River	Right	0.78	03/21/2018 03/21/2018	Sterling York

LM Start	2.44	Rating **	A	Issue No.	1
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970776 °	38.974685 °
				-121.547447 °	-121.535307 °
DWR ID	DWR_RD0784_03A_s_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_533_1_20180409_00001.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	2.44	Rating **	A	Issue No.	2
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970776 °	38.974685 °
				-121.547447 °	-121.535306 °
DWR ID	DWR_RD0784_03A_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, 2018.					

Photo 1 of 1 : SP_2018_RD0784_533_2_20180409_00002.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

* 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
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03B Bear River	Right	1.49	03/21/2018 03/21/2018	Sterling York

LM Start	3.22	Rating **	A	Issue No.	3
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974382 °	38.985412 °
				-121.532269 °	-121.510796 °
DWR ID	DWR_RD0784_03B_s_2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_534_3_20180409_00005.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	3.23	Rating **	A	Issue No.	4
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974358 °	38.985412 °
				-121.532189 °	-121.510795 °
DWR ID	DWR_RD0784_03B_s_2018_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_534_4_20180409_00006.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

* 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
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03B Bear River	Right	1.49	03/21/2018 03/21/2018	Sterling York

LM Start	3.52	Rating **	A/W	Issue No.	8	
LM End	3.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.974330 °	38.974330 °	
				-121.526799 °	-121.526799 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51706						
DS_ID:18580						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 19 feet below the crown. Flap gate on the waterside						
(WS) end. Concrete headwall at the WS toe. [Additional Reference(s):						
DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August						
1955 (Station 92+88)].						
FS Date: 2/27/2013						

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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03B Bear River	Right	1.49	03/21/2018 03/21/2018	Sterling York

LM Start	4.66	Rating **	U	Issue No.	9
LM End	4.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.985247 °	38.985247 °
				-121.511075 °	-121.511075 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:52571
DS_ID:18627
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/30/2017 Crossing remains Urgent due to uncertainty of pipe condition through levee -- recommend an internal inspection of the pipe through the levee as a precaution measure to determine integrity of pipe. Repair of the rusted out collar (void) found at the WS pipe outlet has been repaired by the LMA. Received additional photos from DWR levee inspector, S. York, of the WS concrete headwall installed and vegetation cleared from WS. (O. Magana - DWR UCIP)07/13/2017 - The rusted out collar at the bottom of the waterside flap gate has been sealed with concrete. Internal pipe inspections still pending. (P.Meagher-RD784).04/13/2017 - Spoke to LMA representative, P. Meagher, regarding the status of this crossing. The report has been updated to indicate vegetation has been cleared from WS outlet and LS inlet. The crossing remains Urgent--WS pipe collar is rusted out on the bottom. Recommend internal pipe inspection to determine pipe integrity through the levee. Owner will need to coordinate with the CVFPB to address issue. (O. Magana - DWR UCIP)

01/16/2017 - Landowner who utilizes this pipe reported to RD784 staff on 1/11/2017 that he suspected this pipe at the waterside flap gate ring area was rusted out at the bottom. After investigating, we could see what was reported is correct. Sandbags have been temporarily placed around the 2" +/- gapped area underneath the flap gate ring. A permanent solution is anticipated to be completed in the next 3 to 6 months. The plan is to pour a concrete ring / headwall around the open corroded pipe end. Photos attached. (P. Meagher - RD784).11/04/2016 - Flap gate on waterside has been cleared again as of 10/17/2016. The LS inlet area has been cleared as of 9/21/2016. See updated photos attached. (P.Meagher - RD784)09/22/2016 - vegetation at inlet of pipe has been cleared by owner. photos added showing pipe inlet. (T. Hatch - DWR UCIP)08/09/2016 - vegetation partially obscuring outlet on WS. Heavy vegetation on landside (LS) limiting inspection of inlet. Owner asked by RD0784 to clear vegetation and debris. (T. Hatch - DWR UCIP)11/1/2015 - Flap Gate has been cleared as of 12/9/2014 and again during summer of 2015 (P. Meagher/RD0784)2/27/2013 - Flap gate blocked by vegetation on WS toe. Unable to locate inlet. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Gate valve on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual 145, August 1955 (Station 4+96). USACE Sacramento As-built Drawings, 2-4-106, Exhibit B, Sheet 2, July 1944 (Station 4+96)].

Photo 1 of 3 : UCIP_SP_2018_52571_77114.jpg



Close up photo of concrete seal where the rusted out void used to be. Farmer irrigation was currently flowing at the time the photo was taken.

* 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	

**Flood Control Project Maintenance
Levee Inspections**

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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	03/21/2018 03/21/2018	Sterling York

FS Date: 11/30/2017 6:13:00 PM

LM Start	4.66	Rating **	U	Issue No.	9 (cont)
LM End	4.66	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_52571_77115.jpg



Concrete collar completed around the waterside exterior flap gate section.

LM Start	4.66	Rating **	U	Issue No.	9 (cont)
LM End	4.66	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_52571_76618.jpg



Sandbags temporarily placed in front of flapgate.

* 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 En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Interceptor Canal	Right	6.33	03/21/2018 03/21/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	3
LM End	6.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974776 °	39.059298 °
				-121.535089 °	-121.551067 °
DWR ID	DWR_RD0784_04_s_2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_181_3_20180409_00004.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	6.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974776 °	39.059297 °
				-121.535089 °	-121.551067 °
DWR ID	DWR_RD0784_04_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_181_2_20180409_00006.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

* 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
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	0.02	Rating **	A	Issue No.	14
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974658 °	39.020572 °
				-121.532691 °	-121.509044 °
DWR ID	DWR_RD0784_05_s_2018_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_182_14_20180409_00037.jpg



View looking downstream landside of well maintained annual vegetation, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	15
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974658 °	39.020572 °
				-121.532691 °	-121.509044 °
DWR ID	DWR_RD0784_05_s_2018_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_182_15_20180409_00039.jpg



View looking downstream waterside of well maintained annual vegetation, Spring 2018.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	0.12	Rating **	A/W	Issue No.	17
LM End	0.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.976147 °	38.976147 °
				-121.533019 °	-121.533019 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51711					
DS_ID:18592					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Good candidate for video inspection.					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Polyvinyl chloride weir inlet on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 25+28)].					
FS Date: 2/26/2013					

Photo 1 of 3 : UCIP_SP_2018_51711_16552.jpg



inlet control structure on LS toe.

LM Start	0.12	Rating **	A/W	Issue No.	17 (cont)
LM End	0.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_51711_16555.jpg



Concrete U-shaped outlet with flap gate on WS 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	0.12	Rating **	A/W	Issue No.	17 (cont)	
LM End	0.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.976147 °	38.976147 °	
				-121.533019 °	-121.533019 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51711 DS_ID:18592 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Polyvinyl chloride weir inlet on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 25+28)]. FS Date: 2/26/2013						

Photo 3 of 3 : UCIP_SP_2018_51711_16554.jpg



Concrete U-shaped outlet on WS toe.

LM Start	0.84	Rating **	M	Issue No.	18
LM End	0.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.986432 °	38.986432 °
				-121.534983 °	-121.534983 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51710					
DS_ID:18591					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No handle or access to slide gate on LS toe.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe					
through the levee, 23.7 feet below the crown. Flap gate on the					
waterside (WS) end. Slide gate inside a concrete drop inlet on the					
landside (LS). [Additional Reference(s): DWR Levee Log, 2005. USACE					
Sacramento O&M Manual 145, August 1955 (Station 63+00)].					
FS Date: 9/11/2015 9:05:00 AM					

Photo 1 of 2 : UCIP_SP_2018_51710_54246.jpg



Concrete drop-inlet at LS 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	0.84	Rating **	M	Issue No.	18 (cont)	
LM End	0.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.986432 °	38.986432 °	
				-121.534983 °	-121.534983 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51710						
DS_ID:18591						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No handle or access to slide gate on LS toe.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 23.7 feet below the crown. Flap gate on the						
waterside (WS) end. Slide gate inside a concrete drop inlet on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 2005. USACE						
Sacramento O&M Manual 145, August 1955 (Station 63+00)].						
FS Date: 9/11/2015 9:05:00 AM						

Photo 2 of 2 : UCIP_SP_2018_51710_54245.jpg



Outlet with riprap on WS toe.

LM Start	1.60	Rating **	A/W	Issue No.	19
LM End	1.60	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.997305 °	38.997305 °
				-121.537081 °	-121.537081 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51709 DS_ID:18590 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS. Polyvinyl chloride weir on inlet. (See Drawing No. 2-4-106, Sheet 5). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 103+23)]. FS Date: 2/26/2013					

Photo 1 of 3 : UCIP_SP_2018_51709_16565.jpg



Concrete U-shaped headwall and flap gate on WS 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	1.60	Rating **	A/W	Issue No.	19 (cont)
LM End	1.60	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.997305 °	38.997305 °
				-121.537081 °	-121.537081 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51709 DS_ID:18590 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS. Polyvinyl chloride weir on inlet. (See Drawing No. 2-4-106, Sheet 5). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 103+23)]. FS Date: 2/26/2013					

Photo 2 of 3 : UCIP_SP_2018_51709_16563.jpg



Pvc weir on inlet at LS toe.

LM Start	1.60	Rating **	A/W	Issue No.	19 (cont)
LM End	1.60	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_51709_16562.jpg



Concrete U-shaped headwall and flap gate on WS 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	1.86	Rating **	M	Issue No.	20
LM End	1.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.000975 °	39.000975 °
				-121.537779 °	-121.537779 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51719
DS_ID:18588
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 09/11/2015 Inlet buried. Good candidate for video inspection as pipe is corroded. (G. Wylie - FPIIB)
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS.
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 116+78)].
FS Date: 9/11/2015 9:36:00 AM

LM Start	1.86	Rating **	M	Issue No.	20 (cont)
LM End	1.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_51719_54247.jpg



Concrete U-shaped outlet and flap-gate on WS toe.

Photo 2 of 3 : UCIP_SP_2018_51719_54248.jpg



Debris covered inlet on LS toe.

* 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 En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	1.86	Rating **	M	Issue No.	20 (cont)	
LM End	1.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.000975 °	39.000975 °	
				-121.537779 °	-121.537779 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51719 DS_ID:18588 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/11/2015 Inlet burried. Good candidate for video inspection as pipe is corroded. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 116+78)]. FS Date: 9/11/2015 9:36:00 AM						

Photo 3 of 3 : UCIP_SP_2018_51719_54249.jpg



Drainage outlet on WS 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	2.04	Rating **	M	Issue No.	21
LM End	2.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.003643 °	39.003643 °
				-121.538292 °	-121.538292 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51707
DS_ID:18587
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: On 1/31/2017 The waterside excess pipe end was discovered to be floating to the surface due to landside water runoff through the pipe. Because of the floating pipe, the water was not draining all the way through the pipe. Instead, the water was overtopping the levee shelf area. In order to resolve this issue, the excess portion of the pipe was cut off. After doing so, the water immediately started draining properly again. (P. Meagher, RD784 2/3/2017). Erosion at outlet may or may not be an issue.
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS. Polyvinyl chloride weir on inlet. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 126+53)].
FS Date: 2/3/2017

LM Start	2.04	Rating **	M	Issue No.	21 (cont)
LM End	2.04	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_51707_54250.jpg



Inlet with PVC weir on LS toe.

Photo 2 of 3 : UCIP_SP_2018_51707_54253.jpg



Concrete U-shaped headwall on WS toe with Flap gate showing erosion at outlet.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	2.47	Rating **	U	Issue No.	22
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.008994 °	39.008994 °
				-121.535679 °	-121.535679 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:52570
DS_ID:18597
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/30/2017 - same as previous inspection - crossing remains Urgent. Received updated photos from DWR levee inspector, S. York, showing current condition of levee LS and WS. (O. Magana - DWR UCIP) 12/15/2016 - Coordination email was received from RD0784 this afternoon. Patrick Meagher with Reclamation District is closely monitoring the eroded pipe area at the Horseshoe Levee due to periodic rainstorms and unpredictable water flow elevations. To avoid further damage at this location, Mr. Meagher has coordinated with LMA Consultant Sean Minard at MHM Engineering and DWR Levee Inspector Sterling York to address further deterioration at site. As a proactive measure by RD784, sandbags were used to fill in the sink hole on the WS. A "V" shape diversion dam was also built of sandbags above the sinkhole area to help divert running rainwater coming down the slope around the fill area. RD0784 used approximately 100 sandbags at the site to fill in sink hole and create the "V" shaped diversion dam. (O. Magana - DWR UCIP)07/29/2016 - Erosion scarp on LS cut into levee shoulder starting at inlet headwall. Cavity failure on WS shoulder approximately 2-feet in diameter and several feet in depth. (T. Hatch/UCIP)11/01/2015 - The concrete box weir structure on the landside inlet has slumped off the end of the pipe. DWR Chief inspector George Wilie inspected the site on 8/13/2015 with Steve Fordice, General Manager of RD784. (P. Meagher - RD784)

2/27/2013 - Heavy erosion around inlet headwall due to beaver activity. (W. Wylie/UCIP)
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) toe. Concrete U-shaped headwall on the WS toe. (Removable standpipe and bulkheads approved under Permit No. 9230, 1974 - Frach, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 13+72). USACE As-Built Drawing No. 2-4-106, Sheet 6, July 1944 (Station 13+72)].
FS Date: 12/15/2016 3:36:00 PM

Photo 1 of 3 : UCIP_SP_2018_52570_54258.jpg



Concrete U-shaped headwall and flap gate on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	2.47	Rating **	U	Issue No.	22 (cont)
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.008994 °	39.008994 °
				-121.535679 °	-121.535679 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:52570
DS_ID:18597
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/30/2017 - same as previous inspection - crossing remains Urgent. Received updated photos from DWR levee inspector, S. York, showing current condition of levee LS and WS. (O. Magana - DWR UCIP) 12/15/2016 - Coordination email was received from RD0784 this afternoon. Patrick Meagher with Reclamation District is closely monitoring the eroded pipe area at the Horseshoe Levee due to periodic rainstorms and unpredictable water flow elevations. To avoid further damage at this location, Mr. Meagher has coordinated with LMA Consultant Sean Minard at MHM Engineering and DWR Levee Inspector Sterling York to address further deterioration at site. As a proactive measure by RD784, sandbags were used to fill in the sink hole on the WS. A "V" shape diversion dam was also built of sandbags above the sinkhole area to help divert running rainwater coming down the slope around the fill area. RD0784 used approximately 100 sandbags at the site to fill in sink hole and create the "V" shaped diversion dam. (O. Magana - DWR UCIP)07/29/2016 - Erosion scarp on LS cut into levee shoulder starting at inlet headwall. Cavity failure on WS shoulder approximately 2-feet in diameter and several feet in depth. (T. Hatch/UCIP)11/01/2015 - The concrete box weir structure on the landside inlet has slumped off the end of the pipe. DWR Chief inspector George Wilie inspected the site on 8/13/2015 with Steve Fordice, General Manager of RD784. (P. Meagher - RD784)

2/27/2013 - Heavy erosion around inlet headwall due to beaver activity. (W. Wylie/UCIP)

FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) toe. Concrete U-shaped headwall on the WS toe. (Removable standpipe and bulkheads approved under Permit No. 9230, 1974 - Frach, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 13+72). USACE As-Built Drawing No. 2-4-106, Sheet 6, July 1944 (Station 13+72)].

FS Date: 12/15/2016 3:36:00 PM

Photo 2 of 3 : UCIP_SP_2018_52570_76309.jpg



WS view: Sink hole filled in with sandbags and "V" shaped diversion dam built to help divert rainwater.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	2.47	Rating **	U	Issue No.	22 (cont)
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.008994 °	39.008994 °
				-121.535679 °	-121.535679 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:52570
DS_ID:18597
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/30/2017 - same as previous inspection - crossing remains Urgent. Received updated photos from DWR levee inspector, S. York, showing current condition of levee LS and WS. (O. Magana - DWR UCIP) 12/15/2016 - Coordination email was received from RD0784 this afternoon. Patrick Meagher with Reclamation District is closely monitoring the eroded pipe area at the Horseshoe Levee due to periodic rainstorms and unpredictable water flow elevations. To avoid further damage at this location, Mr. Meagher has coordinated with LMA Consultant Sean Minard at MHM Engineering and DWR Levee Inspector Sterling York to address further deterioration at site. As a proactive measure by RD784, sandbags were used to fill in the sink hole on the WS. A "V" shape diversion dam was also built of sandbags above the sinkhole area to help divert running rainwater coming down the slope around the fill area. RD0784 used approximately 100 sandbags at the site to fill in sink hole and create the "V" shaped diversion dam. (O. Magana - DWR UCIP)07/29/2016 - Erosion scarp on LS cut into levee shoulder starting at inlet headwall. Cavity failure on WS shoulder approximately 2-feet in diameter and several feet in depth. (T. Hatch/UCIP)11/01/2015 - The concrete box weir structure on the landside inlet has slumped off the end of the pipe. DWR Chief inspector George Wilie inspected the site on 8/13/2015 with Steve Fordice, General Manager of RD784. (P. Meagher - RD784)

2/27/2013 - Heavy erosion around inlet headwall due to beaver activity. (W. Wylie/UCIP)
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) toe. Concrete U-shaped headwall on the WS toe. (Removable standpipe and bulkheads approved under Permit No. 9230, 1974 - Frach, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 13+72). USACE As-Built Drawing No. 2-4-106, Sheet 6, July 1944 (Station 13+72)].
FS Date: 12/15/2016 3:36:00 PM

Photo 3 of 3 : UCIP_SP_2018_52570_54254.jpg



Erosion and debris from Beaver activity.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	3.06	Rating **	M	Issue No.	23
LM End	3.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.015549 °	39.015549 °
				-121.528590 °	-121.528590 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51714
DS_ID:18596
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe has been sliplined with PVC, but the liner appears to be eroding at outlet and may be disjointed internal to the levee. See pic. Good candidate for video inspection.
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS). Polyvinyl chloride weir on inlet at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 44+96)].
FS Date: 9/11/2015 9:26:00 AM

LM Start	3.06	Rating **	M	Issue No.	23 (cont)
LM End	3.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_51714_54259.jpg



Concrete U-shaped headwall and flap gate on WS toe.

Photo 2 of 3 : UCIP_SP_2018_51714_54262.jpg



Pipe showing sliplined PVC insert. some erosion of PV at outlet and it may be disjointed internally.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	3.06	Rating **	M	Issue No.	23 (cont)	
LM End	3.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.015549 °	39.015549 °	
				-121.528590 °	-121.528590 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51714 DS_ID:18596 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has been sliplined with PVC, but the liner appears to be eroding at outlet and may be disjointed internal to the levee. See pic. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS). Polyvinyl chloride weir on inlet at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 44+96)]. FS Date: 9/11/2015 9:26:00 AM						

Photo 3 of 3 : UCIP_SP_2018_51714_54261.jpg



Concrete U-shaped headwall on WS toe.

LM Start	3.23	Rating **	A/W	Issue No.	24
LM End	3.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.017336 °	39.017336 °
				-121.526530 °	-121.526530 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:9566 DS_ID:18595 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Flap gate on the waterside (WS) end. Polyvinyl chloride weir on inlet at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955, Drawing No. 2-4-106, Sheet 6 (Station 53+86)]. FS Date: 2/27/2013					

Photo 1 of 2 : UCIP_SP_2018_9566_16594.jpg



PVC weir inlet on LS toe.

* 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 En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	3.23	Rating **	A/W	Issue No.	24 (cont)	
LM End	3.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.017336 °	39.017336 °	
				-121.526530 °	-121.526530 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:9566 DS_ID:18595 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Flap gate on the waterside (WS) end. Polyvinyl chloride weir on inlet at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955, Drawing No. 2-4-106, Sheet 6 (Station 53+86)]. FS Date: 2/27/2013						

Photo 2 of 2 : UCIP_SP_2018_9566_16593.jpg



Flap gate at WS toe.

LM Start	3.79	Rating **	A/W	Issue No.	25
LM End	3.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.019222 °	39.019222 °
				-121.516414 °	-121.516414 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51713					
DS_ID:18594					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 8.8 feet below the crown. Flap gate and headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, August 1955 (Station 83+39)].					
FS Date: 2/27/2013					

Photo 1 of 3 : UCIP_SP_2018_51713_16590.jpg



Concrete outlet and flap gate on WS toe.

* 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 En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Interceptor Canal	Left	4.19	03/21/2018 03/21/2018	Sterling York

LM Start	3.79	Rating **	A/W	Issue No.	25 (cont)	
LM End	3.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.019222 °	39.019222 °	
				-121.516414 °	-121.516414 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51713						
DS_ID:18594						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe						
through the levee, 8.8 feet below the crown. Flap gate and headwall on						
the waterside (WS) end. [Additional Reference(s): DWR Levee Log,						
2005. USACE Sacramento O&M Manual 145, August 1955 (Station						
83+39)].						
FS Date: 2/27/2013						

Photo 2 of 3 : UCIP_SP_2018_51713_16591.jpg



PVC weir at inlet on LS toe.

LM Start	3.79	Rating **	A/W	Issue No.	25 (cont)
LM End	3.79	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_51713_16592.jpg



Concrete outlet on WS 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 South Dry Creek	Right	0.25	03/21/2018 03/21/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.985544 °	38.987580 °
				-121.510536 °	-121.506663 °
DWR ID	DWR_RD0784_06_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_183_2_20180409_00005.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.985544 °	38.987580 °
				-121.510536 °	-121.506663 °
DWR ID	DWR_RD0784_06_s_2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_183_3_20180409_00004.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

*** 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
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 South Dry Creek	Right	0.25	03/21/2018 03/21/2018	Sterling York

LM Start	0.06	Rating **	M	Issue No.	4 (cont)	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.985999 °	38.985999 °	
				-121.509618 °	-121.509618 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51716 DS_ID:18626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10-30-2015 - Waterside flap gate was cleared in December 2014 and again in September 2015 No LMA access available on Landside (P. Meagher).Pipe partially blocked on LS and flap gate blocked on WS (W. Wylie-UCIP Inspector) FIELD_STRUCT_DESC: 18-inch corrugated metal storm drainage pipe through the levee, 19 feet below the crown. Gate valve on the waterside (WS). [Additional Reference(s): USACE Drawing No. 2-4-106, Sheet 2]. FS Date: 9/11/2015						

Photo 3 of 3 : UCIP_SP_2018_51716_54265.jpg



Flap gate blocked by vegetation at WS.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Yuba River	Left	3.82	03/21/2018 03/21/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	1
LM End	3.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.134846°	39.165499°
				-121.552209°	-121.495600°
DWR ID	DWR_RD0784_07_s_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_184_1_20180409_00002.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.134846 °	39.165500 °
				-121.552209 °	-121.495600 °
DWR ID	DWR_RD0784_07_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_184_2_20180409_00004.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

* 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 En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Three Rivers	Right	1.93	03/21/2018 03/21/2018	Sterling York

LM Start	0.02	Rating **	A	Issue No.	1
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.955531 °	38.970554 °
				-121.574502 °	-121.547593 °
DWR ID	DWR_RD0784_08_s_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_437_1_20180409_00002.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	2
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.955531 °	38.970556 °
				-121.574502 °	-121.547592 °
DWR ID	DWR_RD0784_08_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_437_2_20180409_00001.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

* 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 En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0784 Plumas Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Feather River	Left	5.71	03/21/2018 03/21/2018	Sterling York

LM Start	0.01	Rating **	A	Issue No.	1
LM End	5.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.090160 °	39.009878 °
				-121.584749 °	-121.579154 °
DWR ID	DWR_RD0784_09_s_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_530_1_20180409_00001.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.01	Rating **	A	Issue No.	2
LM End	5.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.090160 °	39.009879 °
				-121.584750 °	-121.579154 °
DWR ID	DWR_RD0784_09_s_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP_2018_RD0784_530_2_20180409_00002.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

* 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 En : Enforcement
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