

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	11/12/2015 11/12/2015	Keith Millard

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001S_01_s _ 2013_4				
Action/Comments					
Inspector Comments: Sean stated that the O&M manuals are stored at the district office at 243 2nd st, Yuba City, CA.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001S_01_s _ 2013_5				
Action/Comments					
Inspector Comments: Supplies and flood fight equipment are stored at the district office. They also went in with RD784 in their large stockpile of flood fight supplies located in their district.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001S_01_s _ 2013_6				
Action/Comments					
Inspector Comments: Sean stated that he and the district employees attend the Flood Fight class put on by DWR and RD784 annually.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	11/12/2015 11/12/2015	Keith Millard

LM Start	1.85	Rating **	M	Issue No.	487
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			38.976927 °	38.976927 °
				-121.591210 °	-121.591210 °
DWR ID	DWR_LD0001S_01_s_2012_487				
Action/Comments					
Inspector Comments: Abandoned pipe. This pipe is listed in our levee log as an abandoned pipe, no date listed. No permit number. Corp pipe.					

Photo 1 of 2 : FA_2015_LD0001S_433_487_20151106_00003.jpg



View of the pipe on the landside of the levee from the crown.

LM Start	1.85	Rating **	M	Issue No.	487 (cont)
LM End	1.85	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_LD0001S_433_487_20151106_00004.jpg



View of the pipe on the waterside of the levee from the crown facing upstream.

LM Start	2.44	Rating **	M	Issue No.	16
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.985446 °	38.985446 °
				-121.591930 °	-121.591930 °
DWR ID	DWR_LD0001S_01_s_2015_16				
Action/Comments					
Material					
Inspector Comments: Walnut holes left on waterside of the levee.					

Photo 1 of 1 : FA_2015_LD0001S_433_16_20151106_00002.jpg



View of the material on the waterside of the levee facing upstream.

* 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 - Fall 2015

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	11/12/2015 11/12/2015	Keith Millard

LM Start	2.72	Rating **	A/W	Issue No.	17
LM End	2.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.989470 °	38.989470 °
				-121.592502 °	-121.592502 °
DWR ID	DWR_LD0001S_01_s_2015_17				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.00	Rating **	M	Issue No.	21
LM End	6.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.031780 °	39.031780 °
				-121.611811 °	-121.611811 °
DWR ID	DWR_LD0001S_01_s_2015_21				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: track-walking on slope and tire ruts at toe					

Photo 1 of 1 : FA_2015_LD0001S_433_21_20151117_00013.jpg



LM Start	8.31	Rating **	M	Issue No.	19
LM End	8.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.064799 °	39.064799 °
				-121.609865 °	-121.609865 °
DWR ID	DWR_LD0001S_01_f_2015_19				
Action/Comments					
Tree or limb					
Inspector Comments: debris pile of wood trimmings/shavings					

Photo 1 of 1 : FA_2015_LD0001S_433_19_20151117_00019.jpg



* 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 - Fall 2015

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	11/12/2015 11/12/2015	Keith Millard

LM Start	8.44	Rating **	M	Issue No.	20
LM End	8.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066486 °	39.066486 °
				-121.608794 °	-121.608794 °
DWR ID	DWR_LD0001S_01_f_2015_20				
Action/Comments					
Tree or limb					
Inspector Comments: Debris pile of wood shavings at waterside toe.					

Photo 1 of 1 : FA_2015_LD0001S_433_20_20151117_00020.jpg



LM Start	8.87	Rating **	M	Issue No.	22
LM End	8.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.072503 °	39.072503 °
				-121.606710 °	-121.606710 °
DWR ID	DWR_LD0001S_01_f_2015_22				
Action/Comments					
Debris					
Inspector Comments: Concrete debris piled up on waterside slope.					

Photo 1 of 1 : FA_2015_LD0001S_433_22_20151117_00021.jpg



LM Start	9.84	Rating **	M	Issue No.	25
LM End	9.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.085915 °	39.085915 °
				-121.603733 °	-121.603733 °
DWR ID	DWR_LD0001S_01_f_2015_25				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Track walking rutts on landside slope.					

Photo 1 of 1 : FA_2015_LD0001S_433_25_20151117_00023.jpg



* 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 - Fall 2015

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	11/12/2015 11/12/2015	Keith Millard

LM Start	13.25	Rating **	M	Issue No.	27
LM End	13.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.131827 °	39.131827 °
				-121.603233 °	-121.603233 °
DWR ID	DWR_LD0001S_01_f _ 2015_27				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: tree foliage hiding levee face/toe					

No Photos

LM Start	13.34	Rating **	U	Issue No.	18
LM End	13.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.133050 °	39.133050 °
				-121.603813 °	-121.603813 °
DWR ID	DWR_LD0001S_01_f_2015_18				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Overgrown olive trees (6), buckeye (1) and oak trees (2) on slope of levee, branches touching and obscuring levee. Ivy obscuring slope.					

LM Start	13.34	Rating **	U	Issue No.	18 (cont)
LM End	13.34	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2015_LD0001S_433_18_20151117_00015.jpg



Photo 2 of 2 : FA_2015_LD0001S_433_18_20151117_00016.jpg



* 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 - Fall 2015

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	11/12/2015 11/12/2015	Keith Millard

LM Start	13.42	Rating **	U	Issue No.	24
LM End	13.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.134119 °	39.134119 °
				-121.604213 °	-121.604213 °
DWR ID	DWR_LD0001S_01_f_2015_24				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Vegetation on chainlink fence obscuring visibility. Oleander touchning levee.					

LM Start	13.42	Rating **	U	Issue No.	24 (cont)
LM End	13.42	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2015_LD0001S_433_24_20151117_00017.jpg



Photo 2 of 2 : FA_2015_LD0001S_433_24_20151117_00018.jpg



* 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	
--	--	---	--	---	--