

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/05/2023 10/05/2023	Brooks Weisser

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_4				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
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 *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_5				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
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 *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_6				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The district employees attend the Flood Fight class put on by DWR and RD784 annually. Pending RxR closure structure training LM 16.10.					

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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LM Start	0.94	Rating **	M	Issue No.	14
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.964534°	38.964534°
				-121.586570°	-121.586570°
DWR ID	DWR_LD0001S_01_f_2023_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
No rodent activity observed, but rodent holes need to be backfilled and compacted.					

Photo 1 of 1 : FA_2023_LD0001S_433_14_20231010_00022.jpg



View of rodent holes on the landside slope, Fall 2023.

LM Start	2.47	Rating **	M	Issue No.	27	
LM End	2.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.985845°	38.985845°	
				-121.591912°	-121.591912°	
DWR ID	18668					
Comment Code						
Inspector Comment						
DS_ID:18668 FS_ID:77099 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/22/2022 Record has been updated to Non-Urgent. No drainage culvert located on the LS. Based on USACE As-Built Drawing No. 04-04-0205-1, pipe is described as crossing LS approach and does not indicate through the levee. Need to obtain recent Feather River West Levee Project as-built drawings to verify if pipe actually crosses the levee at this location. (M. Thao - DWR UCIP) FIELD_STRUCT_DESC: 8-inch corrugated iron gravity drainage culvert under the landside (LS) approach, at an unknown depth. [Additional Reference(s): USACE As-Built Drawing No. 04-04-0205-1, Station 627+00, July 1939]. FS Date: 2/22/2022						

Photo 1 of 3 : UCIP_FA_2023_77099_113766.jpg



Levee crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Feather River	Right	16.11	10/05/2023 10/05/2023	Brooks Weisser

LM Start	2.47	Rating **	M	Issue No.	27 (cont)	
LM End	2.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.985845°	38.985845°	
				-121.591912°	-121.591912°	
DWR ID	18668					

Photo 2 of 3 : UCIP_FA_2023_77099_113768.jpg



LS view: Looking from crown; general overview. Sump and vaults are not associated this record.

LM Start	2.47	Rating **	M	Issue No.	27 (cont)
LM End	2.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2023_77099_113767.jpg



WS view: Looking from levee; general overview. Pole and pump station not associated with this record.

LM Start	2.56	Rating **	M	Issue No.	24
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987277°	38.987277°
				-121.591992°	-121.591992°
DWR ID	DWR_LD0001S_01_s_2021_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush blocking access and visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Feather River	Right	16.11	10/05/2023 10/05/2023	Brooks Weisser

LM Start	4.48	Rating **	M	Issue No.	15
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.012365°	39.014601°
				-121.604267°	-121.607921°
DWR ID	DWR_LD0001S_01_f_2023_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent activity observed, area needs to be baited, and holes backfilled and compacted, Fall 2023.					

Photo 1 of 1 : FA_2023_LD0001S_433_15_20231010_00023.jpg



View of rodent holes on the landside slope, Fall 2023.

LM Start	7.69	Rating **	A/W	Issue No.	19
LM End	7.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.055986°	39.056710°
				-121.611301°	-121.611331°
DWR ID	LD1-S-03				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This was a 2017 Storm Damage site for erosion.					
Site ID No:146					
Site Designation:LD1-S-03					

Photo 1 of 1 : LEVAL_FA_2023_146_4051.jpg



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Unit No. 01 Feather River	Right	16.11	10/05/2023 10/05/2023	Brooks Weisser

LM Start	14.46	Rating **	M	Issue No.	32	
LM End	14.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.147985°	39.147985°	
				-121.610126°	-121.610126°	
DWR ID	17924					
Comment Code						
Inspector Comment						
DS_ID:17924 FS_ID:80013 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/24/2022 Need to verify if pipe was grouted in place or removed. Permit application proposed pipe removal but a Reclamation Board suggests that abandonment might be safely and more economically accomplished by filling with concrete rather than opening a cut some 200 feet long and 40 feet deep in the levee. Sutter Butte Flood Control Agency As-Built Drawing No. 04-04-0648, Sheet 59, May 2013, at approximately Station 1043+40 does not indicate there is a 36-inch pipe, 30 feet below the crown. (M. Thao - DWR UCIP) 04/09/2013 Need verification pipe was grouted in place. (P. Amatya) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 30 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. (36-inch pipe removed under Permit 1066, 1945 - Levee District No. 1 of Sutter County). [Additional Reference(s): DWR Levee Log, 2005 (HLM 14.98). USACE Sacramento O&M Manual, Unit No. 144, August 1955, (Station 1468+79), listed as 36-inch pipe. USACE As-Built Drawing No. 04-04-0172-1, Station 1468+79, August 1938]. FS Date: 2/24/2022						

LM Start	14.46	Rating **	M	Issue No.	32 (cont)
LM End	14.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2023_80013_114549.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2023_80013_114550.jpg



LS view: Looking from levee; general overview.

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LM Start	14.46	Rating **	M	Issue No.	32 (cont)
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.147985°	39.147985°
				-121.610126°	-121.610126°
DWR ID	17924				

Photo 3 of 3 : UCIP_FA_2023_80013_114551.jpg



WS view: Looking from levee; general overview.

* 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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