

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0003_01_s_2013_6				
Comment Code					
Inspector Comment					
LMA has flood fight supplies & equipment.					

No Photos

LM Start		Rating **	M	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0003_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0003_01_f_2017_58				
Comment Code					
Inspector Comment					
The LMA has O&M Manuals.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.25	Rating **	U	Issue No.	64
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.729219 °	39.729219 °
				-121.933437 °	-121.933437 °
DWR ID	19209				

Comment Code

Inspector Comment

DS_ID:19209
FS_ID:67236
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 03/17/2021 Record updated from No Action Needed to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
02/20/2014 Looks cleaned recently. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.26)].
FS Date: 3/17/2021 8:31:45 AM

LM Start	0.25	Rating **	U	Issue No.	64 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67236_99222.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_67236_99225.jpg



Water-Side: Headwall and flap gate at levee 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/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.25	Rating **	U	Issue No.	64 (cont)
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.729219 °	39.729219 °	
			-121.933437 °	-121.933437 °	
DWR ID	19209				

Photo 3 of 3 : UCIP_FA_2021_67236_99224.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.00	Rating **	M	Issue No.	66
LM End	1.00	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.739268 °	39.739268 °	
			-121.931891 °	-121.931891 °	
DWR ID	19211				

Comment Code

Inspector Comment

DS_ID:19211
 FS_ID:67238
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 03/17/2021 Record remains Non-Urgent. Vegetation on waterside has been cleared. No permit has been identified authorizing pipe. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (O.Yakimov - DWR UCIP)
 02/20/2014 Vegetation debris on waterside. Needs clearing and cleaning. (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.03)].
 FS Date: 3/17/2021

Photo 1 of 3 : UCIP_FA_2021_67238_99231.jpg



Top of Levee: View of levee crown looking upstream

* 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	

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Levee Inspections**

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Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.00	Rating **	M	Issue No.	66 (cont)
LM End	1.00	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.739268 °	39.739268 °	
			-121.931891 °	-121.931891 °	
DWR ID	19211				

Photo 2 of 3 : UCIP_FA_2021_67238_99232.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.00	Rating **	M	Issue No.	66 (cont)
LM End	1.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67238_99236.jpg



Water-Side: Headwall and flap gate at levee 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.90	Rating **	M	Issue No.	67	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.747563 °	39.747563 °	
				-121.920170 °	-121.920170 °	
DWR ID	19212					
Comment Code						
Inspector Comment						
DS_ID:19212 FS_ID:67239 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/17/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 08/29/2016: Shawn Bates of NA0003 has cleared the LS and WS of debris and blockage; WS gate functions properly now. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP) 08/11/2016: Same as last inspection. (K. Fazel - UCIP) 02/20/2014: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.95)]. FS Date: 3/17/2021 9:01:17 AM						

LM Start	1.90	Rating **	M	Issue No.	67 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67239_99237.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67239_99238.jpg



Water-Side: View of levee slope looking from crown

* 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 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.90	Rating **	M	Issue No.	67 (cont)	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.747563 °	39.747563 °	
				-121.920170 °	-121.920170 °	
DWR ID	19212					

Photo 3 of 3 : UCIP_FA_2021_67239_99242.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	3.03	Rating **	M	Issue No.	69
LM End	3.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.761224 °	39.761224 °
				-121.911108 °	-121.911108 °
DWR ID	19216				

Comment Code

Inspector Comment

DS_ID:19216
 FS_ID:67246
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 03/17/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
 02/20/2014 Inlet and outlet needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.11)].
 FS Date: 3/17/2021 10:06:03 AM

Photo 1 of 3 : UCIP_FA_2021_67246_99270.jpg



Top of Levee: View of levee crown looking upstream

* 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	

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.03	Rating **	M	Issue No.	69 (cont)
LM End	3.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.761224 °	39.761224 °
				-121.911108 °	-121.911108 °
DWR ID	19216				

Photo 2 of 3 : UCIP_FA_2021_67246_99272.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.03	Rating **	M	Issue No.	69 (cont)
LM End	3.03	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67246_99273.jpg



Water-Side: Headwall and flap gate at levee 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.18	Rating **	M	Issue No.	70	
LM End	3.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.763067 °	39.763067 °	
				-121.909608 °	-121.909608 °	
DWR ID	19217					
Comment Code						
Inspector Comment						
DS_ID:19217 FS_ID:67247 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/17/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Debris has been cleared. (O.Yakimov - DWR UCIP) 02/20/2014 It needs cleaning and clearing in inlet and outlet ends. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.27)]. FS Date: 3/17/2021 10:15:12 AM						

LM Start	3.18	Rating **	M	Issue No.	70 (cont)
LM End	3.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67247_99276.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67247_99277.jpg



Water-Side: View of levee slope looking from crown

* 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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Levee Inspections**

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Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.18	Rating **	M	Issue No.	70 (cont)
LM End	3.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.763067 °	39.763067 °
				-121.909608 °	-121.909608 °
DWR ID	19217				

Photo 3 of 3 : UCIP_FA_2021_67247_99281.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	3.39	Rating **	M	Issue No.	71
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID	19218				

Comment Code

Inspector Comment

DS_ID:19218
FS_ID:67248
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/17/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
02/20/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.48)].
FS Date: 3/17/2021 10:18:14 AM

Photo 1 of 3 : UCIP_FA_2021_67248_99282.jpg



Top of Levee: View of levee crown looking upstream

* 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**

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Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.39	Rating **	M	Issue No.	71 (cont)
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID	19218				

Photo 2 of 3 : UCIP_FA_2021_67248_99283.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.39	Rating **	M	Issue No.	71 (cont)
LM End	3.39	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67248_99287.jpg



Water-Side: Headwall and flap gate at levee 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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Butte County Department of Public Works

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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.97	Rating **	M	Issue No.	72 (cont)
LM End	3.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.771293 °	39.771293 °
				-121.900247 °	-121.900247 °
DWR ID	19219				

Photo 3 of 3 : UCIP_FA_2021_67249_99293.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	4.26	Rating **	A/W	Issue No.	5
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.773257 °	39.773969 °
				-121.895618 °	-121.895078 °
DWR ID					

Comment Code

Inspector Comment

2018 Site ID: MUD 4.4 R
Status: Eroding
2018 Field Notes: Last observed in 2017.
Site History: 2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. 2017 - Erosion scarps have increased in size since 2011 inspection.

No Photos

* 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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Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	4.27	Rating **	M	Issue No.	50
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.773487 °	39.773487 °
				-121.895716 °	-121.895716 °
DWR ID	DWR_NA0003_01_s _ 2019_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The blackberry bushes should be removed from the landside toe.					

No Photos

LM Start	4.41	Rating **	C	Issue No.	60
LM End	4.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.775201 °	39.775201 °
				-121.894357 °	-121.894357 °
DWR ID	DWR_NA0003_01_s _ 2019_60				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

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	4.46	Rating **	M	Issue No.	73	
LM End	4.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.775905 °	39.775905 °	
				-121.893980 °	-121.893980 °	
DWR ID	19220					
Comment Code						
Inspector Comment						
DS_ID:19220 FS_ID:67250 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/17/2021 Record remains Non-Urgent. Debris has been cleared. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 02/20/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.58)]. FS Date: 3/17/2021 10:24:31 AM						

LM Start	4.46	Rating **	M	Issue No.	73 (cont)
LM End	4.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67250_99294.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67250_99296.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	4.46	Rating **	M	Issue No.	73 (cont)
LM End	4.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775905 °	39.775905 °
				-121.893980 °	-121.893980 °
DWR ID	19220				

Photo 3 of 3 : UCIP_FA_2021_67250_99299.jpg



Water-Side: Headwall and flap gate on levee slope

LM Start	4.81	Rating **	U	Issue No.	74
LM End	4.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.780244 °	39.780244 °
				-121.891267 °	-121.891267 °
DWR ID	19221				

Comment Code

Inspector Comment

DS_ID:19221
FS_ID:67251
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 03/17/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Flap gate on waterside pipe end is non-operating. Recommend lubricating hinges for easy opening. Drainage inlet at landside toe is buried in soil - unable to locate. Crossing appears abandoned. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
02/20/2014 CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe. Needs cleaning and clearing on both ends of the pip. (P. Amatya - DWR UCIP).
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Grouted riprap spillway on the WS end. Corrugated metal standpipe intake. Intake pipe with an air vent. Steel rib-bar grit cover on the standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.94)].
FS Date: 3/17/2021 10:28:36 AM

Photo 1 of 3 : UCIP_FA_2021_67251_99304.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	4.81	Rating **	U	Issue No.	74 (cont)
LM End	4.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.780244 °	39.780244 °
				-121.891267 °	-121.891267 °
DWR ID	19221				

Photo 2 of 3 : UCIP_FA_2021_67251_99303.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.81	Rating **	U	Issue No.	74 (cont)
LM End	4.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67251_99302.jpg



Land-Side: Approximate location on pipe inlet at levee toe, although inlet was not found

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	5.09	Rating **		Issue No.	77	
LM End	5.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.783636 °	39.783636 °	
				-121.888463 °	-121.888463 °	
DWR ID	19222					
Comment Code						
Inspector Comment						
DS_ID:19222 FS_ID:67286 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/17/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 02/20/2014 Slide gate in CM stadpipe on waterside levee slope. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate in a corrugated metal standpipe on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.22)]. FS Date: 3/17/2021 3:46:02 PM						

LM Start	5.09	Rating **	M	Issue No.	77 (cont)
LM End	5.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67286_99399.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67286_99400.jpg



Land-Side: View of levee slope looking from crown. Drainage ditch on landside

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/18/2021 10/18/2021	Makar Sokol

LM Start	5.09	Rating **	M	Issue No.	77 (cont)
LM End	5.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.783636 °	39.783636 °
				-121.888463 °	-121.888463 °
DWR ID	19222				

Photo 3 of 3 : UCIP_FA_2021_67286_99404.jpg



Land-Side: Headwall and pipe inlet in drainage ditch at levee 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.23	Rating **	M	Issue No.	44	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.797416 °	39.797416 °	
				-121.881675 °	-121.881675 °	
DWR ID	19234					
Comment Code						
Inspector Comment						
DS_ID:19234 FS_ID:67304 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 03/23/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris noted in previous inspection has been cleared. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (O.Yakimov - DWR UCIP) 03/11/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)]. FS Date: 3/23/2021 2:26:18 PM						

LM Start	0.23	Rating **	M	Issue No.	44 (cont)
LM End	0.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67304_99515.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67304_99516.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.23	Rating **	M	Issue No.	44 (cont)
LM End	0.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.797416 °	39.797416 °
				-121.881675 °	-121.881675 °
DWR ID	19234				

Photo 3 of 3 : UCIP_FA_2021_67304_99520.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	0.30	Rating **	M	Issue No.	29
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.797134 °	39.797134 °
				-121.882829 °	-121.882829 °
DWR ID	DWR_NA0003_02_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.38	Rating **	M	Issue No.	31
LM End	0.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.796062 °	39.796062 °
				-121.883440 °	-121.883440 °
DWR ID	DWR_NA0003_02_s_2019_31				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees smaller than 4-inches in diameter at chest height should be removed.					

No Photos

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.26	Rating **	U	Issue No.	45	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.784062 °	39.784062 °	
				-121.884344 °	-121.884344 °	
DWR ID	19235					
Comment Code						
Inspector Comment						
DS_ID:19235 FS_ID:67305 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Recommend clearing debris from landside end of pipe. (O.Yakimov - DWR UCIP) 02/24/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.34)]. FS Date: 3/23/2021 2:30:04 PM						

LM Start	1.26	Rating **	U	Issue No.	45 (cont)
LM End	1.26	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67305_99521.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_67305_99522.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.26	Rating **	U	Issue No.	45 (cont)	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.784062 °	39.784062 °	
				-121.884344 °	-121.884344 °	
DWR ID	19235					

Photo 3 of 3 : UCIP_FA_2021_67305_99526.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	1.46	Rating **	M	Issue No.	47
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.782980 °	39.782980 °
				-121.887834 °	-121.887834 °
DWR ID	19237				

Comment Code

Inspector Comment

DS_ID:19237
FS_ID:67308
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
02/24/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.55)].
FS Date: 3/16/2021 3:10:19 PM

Photo 1 of 3 : UCIP_FA_2021_67308_99539.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.46	Rating **	M	Issue No.	47 (cont)
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.782980 °	39.782980 °
				-121.887834 °	-121.887834 °
DWR ID	19237				

Photo 2 of 3 : UCIP_FA_2021_67308_99540.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.46	Rating **	M	Issue No.	47 (cont)
LM End	1.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67308_99544.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	1.62	Rating **	N	Issue No.	32
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.781173 °	39.781173 °
				-121.889526 °	-121.889526 °
DWR ID	DWR_NA0003_02_f_2016_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.05	Rating **	M	Issue No.	25
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.775748 °	39.775748 °
				-121.892958 °	-121.892958 °
DWR ID	DWR_NA0003_02_f_2019_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_65_25_20211011_00003.jpg



View of the erosion on the landside slope due to vehicle traffic. Spring 2021.

LM Start	2.08	Rating **	C	Issue No.	34
LM End	2.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.775330 °	39.775330 °
				-121.893124 °	-121.893124 °
DWR ID	DWR_NA0003_02_s_2021_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.34	Rating **	M	Issue No.	51	
LM End	2.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.772185 °	39.772185 °	
				-121.895681 °	-121.895681 °	
DWR ID	19239					
Comment Code						
Inspector Comment						
DS_ID:19239 FS_ID:67340 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris around landside headwall has been cleared. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 02/24/2014 Debris in landside inlet area. Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)]. FS Date: 3/16/2021 11:39:32 AM						

LM Start	2.34	Rating **	M	Issue No.	51 (cont)
LM End	2.34	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67340_99744.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67340_99746.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.34	Rating **	M	Issue No.	51 (cont)
LM End	2.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.772185 °	39.772185 °
				-121.895681 °	-121.895681 °
DWR ID	19239				

Photo 3 of 3 : UCIP_FA_2021_67340_99747.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	2.54	Rating **	A/W	Issue No.	41
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.771186 °	39.769616 °
				-121.899060 °	-121.900854 °
DWR ID					

Comment Code

Inspector Comment

2018 Site ID: MUD 2.6 L
Status: Eroding
2018 Field Notes: Last observed in 2017.
Site History: 2017 - Large mass failure of lower bank slope.

No Photos

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.74	Rating **	U	Issue No.	52	
LM End	2.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.768741 °	39.768741 °	
				-121.901176 °	-121.901176 °	
DWR ID	19240					
Comment Code						
Inspector Comment						
DS_ID:19240 FS_ID:67341 EP_NO: N/A Repair Type: Urgent EVAL Issue: Flood Risk Crossing Status: Found UCIP Comments: 03/16/2021 Record updated from Non-Urgent to Urgent. Flap gate not closing complitley. A gap between flap gate and pipe is visible. Adjustments and lubrication to flap gate hinges need to be done. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 02/24/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)]. FS Date: 3/16/2021 12:43:55 PM						

LM Start	2.74	Rating **	U	Issue No.	52 (cont)
LM End	2.74	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67341_99750.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67341_99751.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.74	Rating **	U	Issue No.	52 (cont)
LM End	2.74	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.768741 °	39.768741 °	
			-121.901176 °	-121.901176 °	
DWR ID	19240				

Photo 3 of 3 : UCIP_FA_2021_67341_99756.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	3.08	Rating **	A/W	Issue No.	42
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2018 USACE Erosion Survey		39.765543 °	39.764869 °	
			-121.905367 °	-121.906737 °	
DWR ID					

Comment Code

Inspector Comment

2018 Site ID: MUD 3.3 L
Status: Eroding
2018 Field Notes: Last observed in 2017.
Site History: 2017 - Large erosion scarp along lower toe.

No Photos

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	53	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.760847 °	39.760847 °	
				-121.910265 °	-121.910265 °	
DWR ID	19241					
Comment Code						
Inspector Comment						
DS_ID:19241 FS_ID:67342 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris has been cleared. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 02/24/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)]. FS Date: 3/16/2021 12:48:10 PM						

LM Start	3.50	Rating **	M	Issue No.	53 (cont)
LM End	3.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67342_99757.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67342_99758.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	53 (cont)
LM End	3.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.760847 °	39.760847 °
				-121.910265 °	-121.910265 °
DWR ID	19241				

Photo 3 of 3 : UCIP_FA_2021_67342_99761.jpg



Land-Side: U-shaped headwall and pipe at levee toe

LM Start	3.52	Rating **	M	Issue No.	10
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.760582 °	39.760582 °
				-121.910303 °	-121.910303 °
DWR ID	DWR_NA0003_02_f_2015_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_65_10_20211011_00002.jpg



View of the damaged landside slope due to vehicle traffic. Fall 2020.

LM Start	3.77	Rating **	M	Issue No.	24
LM End	3.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.757596 °	39.757596 °
				-121.912148 °	-121.912148 °
DWR ID	DWR_NA0003_02_s_2020_24				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.82	Rating **	M	Issue No.	26
LM End	3.82	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.757022 °	39.757022 °
				-121.912657 °	-121.912657 °
DWR ID	DWR_NA0003_02_s _ 2020_26				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	4.30	Rating **	M	Issue No.	23
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.752579 °	39.752579 °
				-121.914516 °	-121.914516 °
DWR ID	DWR_NA0003_02_f _ 2020_23				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	4.61	Rating **	M	Issue No.	55	
LM End	4.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.748731 °	39.748731 °	
				-121.917577 °	-121.917577 °	
DWR ID	19245					
Comment Code						
Inspector Comment						
DS_ID:19245 FS_ID:67347 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris has been cleared. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)]. FS Date: 3/16/2021 2:59:36 PM						

LM Start	4.61	Rating **	M	Issue No.	55 (cont)
LM End	4.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67347_99780.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67347_99781.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	4.61	Rating **	M	Issue No.	55 (cont)
LM End	4.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.748731 °	39.748731 °
				-121.917577 °	-121.917577 °
DWR ID	19245				

Photo 3 of 3 : UCIP_FA_2021_67347_99784.jpg



Land-Side: U-shaped headwall and pipe at levee toe

LM Start	5.64	Rating **	U	Issue No.	57
LM End	5.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.738898 °	39.738898 °
				-121.930242 °	-121.930242 °
DWR ID	19247				

Comment Code

Inspector Comment

DS_ID:19247
FS_ID:67350
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 03/16/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Sediment at bottom of CMP is still present. (O.Yakimov - DWR UCIP)
02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)].
FS Date: 3/16/2021 11:38:06 AM

Photo 1 of 3 : UCIP_FA_2021_67350_99792.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	5.64	Rating **	U	Issue No.	57 (cont)
LM End	5.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.738898 °	39.738898 °
				-121.930242 °	-121.930242 °
DWR ID	19247				

Photo 2 of 3 : UCIP_FA_2021_67350_99793.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.64	Rating **	U	Issue No.	57 (cont)
LM End	5.64	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67350_99795.jpg



Water-Side: Headwall and flap gate at levee 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.09	Rating **	M	Issue No.	58
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.733297 °	39.733297 °
				-121.930411 °	-121.930411 °
DWR ID	19248				
Comment Code					
Inspector Comment					
DS_ID:19248 FS_ID:67351 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 03/16/2021 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit has been identified authorizing pipe. Debris has been cleared. (O.Yakimov - DWR UCIP) 02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 3/16/2021 11:45:20 AM					

LM Start	6.09	Rating **	M	Issue No.	58 (cont)
LM End	6.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67351_99802.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67351_99800.jpg



Land-Side: View of levee slope looking from crown

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.09	Rating **	M	Issue No.	58 (cont)
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.733297 °	39.733297 °
				-121.930411 °	-121.930411 °
DWR ID	19248				

Photo 3 of 3 : UCIP_FA_2021_67351_99801.jpg



Land-Side: U-shaped headwall and pipe at levee toe

LM Start	6.09	Rating **	M	Issue No.	59
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.733280 °	39.733280 °
				-121.930409 °	-121.930409 °
DWR ID	19259				

Comment Code

Inspector Comment

DS_ID:19259
 FS_ID:67352
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris has been cleared. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation.
 (O.Yakimov - DWR UCIP)
 02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)].
 FS Date: 3/16/2021 11:47:02 AM

Photo 1 of 3 : UCIP_FA_2021_67352_99808.jpg



Top of Levee: View of 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.09	Rating **	M	Issue No.	59 (cont)
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.733280 °	39.733280 °	
			-121.930409 °	-121.930409 °	
DWR ID	19259				

Photo 2 of 3 : UCIP_FA_2021_67352_99806.jpg



Land-Side: View of levee slope looking from crown

LM Start	6.09	Rating **	M	Issue No.	59 (cont)
LM End	6.09	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67352_99807.jpg



Land-Side: U-shaped headwall and pipe at levee 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.15	Rating **	U	Issue No.	60
LM End	6.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID	19249				
Comment Code					
Inspector Comment					
DS_ID:19249 FS_ID:67353 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/16/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Debris has been cleared. (O.Yakimov - DWR UCIP) 02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.35)]. FS Date: 3/16/2021 11:50:15 AM					

LM Start	6.15	Rating **	U	Issue No.	60 (cont)
LM End	6.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67353_99809.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67353_99810.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.15	Rating **	U	Issue No.	60 (cont)
LM End	6.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID	19249				

Photo 3 of 3 : UCIP_FA_2021_67353_99814.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	6.43	Rating **	U	Issue No.	62
LM End	6.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.728812 °	39.728812 °
				-121.932623 °	-121.932623 °
DWR ID	19251				

Comment Code

Inspector Comment

DS_ID:19251
FS_ID:67357
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 03/16/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Debris has been cleared. (O.Yakimov - DWR UCIP)
02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. Pipe crossing levee at angle. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)].
FS Date: 3/16/2021 2:47:48 PM

Photo 1 of 3 : UCIP_FA_2021_67357_99827.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.43	Rating **	U	Issue No.	62 (cont)	
LM End	6.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.728812 °	39.728812 °	
				-121.932623 °	-121.932623 °	
DWR ID	19251					

Photo 2 of 3 : UCIP_FA_2021_67357_99828.jpg



Water-Side: View of levee slope looking from crown

LM Start	6.43	Rating **	U	Issue No.	62 (cont)
LM End	6.43	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67357_99832.jpg



Water-Side: Headwall and flap gate at levee 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.94	Rating **	U	Issue No.	63
LM End	6.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.722798 °	39.722798 °
				-121.937828 °	-121.937828 °
DWR ID	19252				
Comment Code					
Inspector Comment					
DS_ID:19252 FS_ID:67358 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/16/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Sediment at the bottom of CMP needs claeiring. (O.Yakimov - DWR UCIP) 02/25/2014 Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)]. FS Date: 3/16/2021 2:50:50 PM					

LM Start	6.94	Rating **	U	Issue No.	63 (cont)
LM End	6.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67358_99833.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67358_99835.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	6.94	Rating **	U	Issue No.	63 (cont)
LM End	6.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.722798 °	39.722798 °
				-121.937828 °	-121.937828 °
DWR ID	19252				

Photo 3 of 3 : UCIP_FA_2021_67358_99836.jpg



Water-Side: Headwall and flap gate on levee berm

LM Start	7.22	Rating **	M	Issue No.	64
LM End	7.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.718882 °	39.718882 °
				-121.937602 °	-121.937602 °
DWR ID	19253				

Comment Code

Inspector Comment

DS_ID:19253
FS_ID:67359
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris has been cleared. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
02/25/2014 Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].
FS Date: 3/16/2021

Photo 1 of 3 : UCIP_FA_2021_67359_99839.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	7.22	Rating **	M	Issue No.	64 (cont)
LM End	7.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.718882 °	39.718882 °	
			-121.937602 °	-121.937602 °	
DWR ID	19253				

Photo 2 of 3 : UCIP_FA_2021_67359_99840.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee shoulder

LM Start	7.22	Rating **	M	Issue No.	64 (cont)
LM End	7.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67359_99842.jpg



Water-Side: Headwall and flap gate at levee 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	7.23	Rating **	M	Issue No.	65 (cont)	
LM End	7.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.718862 °	39.718862 °	
				-121.937594 °	-121.937594 °	
DWR ID	19260					

Photo 3 of 3 : UCIP_FA_2021_67360_99847.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	7.23	Rating **	M	Issue No.	66
LM End	7.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.718849 °	39.718849 °
				-121.937580 °	-121.937580 °
DWR ID	19261				

Comment Code

Inspector Comment

DS_ID:19261
FS_ID:67361
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/16/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Debris has been cleared. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
02/25/2014 Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing on both pipe ends. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].
FS Date: 3/16/2021 3:17:31 PM

Photo 1 of 3 : UCIP_FA_2021_67361_99849.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	7.77	Rating **	M	Issue No.	67	
LM End	7.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.711436 °	39.711436 °	
				-121.937135 °	-121.937135 °	
DWR ID	19254					
Comment Code						
Inspector Comment						
DS_ID:19254 FS_ID:67362 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 03/16/2021 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit has been identified authorizing pipe. Debris has been cleared. (O.Yakimov - DWR UCIP) 02/25/2014 Debris in inlet pipe, needs cleaning and clearing. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 8.09)]. FS Date: 3/16/2021 3:19:02 PM						

LM Start	7.77	Rating **	M	Issue No.	67 (cont)
LM End	7.77	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67362_99859.jpg



Water-Side: Headwall and flap gate at levee toe

Photo 2 of 3 : UCIP_FA_2021_67362_99854.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/18/2021 10/18/2021	Makar Sokol

LM Start	7.77	Rating **	M	Issue No.	67 (cont)
LM End	7.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.711436 °	39.711436 °
				-121.937135 °	-121.937135 °
DWR ID	19254				

Photo 3 of 3 : UCIP_FA_2021_67362_99855.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.08	Rating **	C	Issue No.	2
LM End	0.08	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.733999 °	39.733999 °
				-121.929637 °	-121.929637 °
DWR ID	DWR_NA0003_02A_f_2019_2				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	19
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.786028 °	39.786028 °
				-121.881924 °	-121.881924 °
DWR ID	DWR_NA0003_03_f_2021_19				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_67_19_20211025_00054.jpg



View of the damaged landside slope due to vehicle traffic. Fall 2021.

LM Start	0.10	Rating **	U	Issue No.	26	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.786195 °	39.786195 °	
				-121.881325 °	-121.881325 °	
DWR ID	19262					
Comment Code						
Inspector Comment						
DS_ID:19262 FS_ID:67668 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/23/2021 Record updated from No Action Needed to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - DWR UCIP) 03/11/2014 Slide gate in CMP riser on watersie. The culvert was working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)]. FS Date: 3/23/2021 1:52:32 PM						

Photo 1 of 3 : UCIP_FA_2021_67668_100475.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.10	Rating **	U	Issue No.	26 (cont)
LM End	0.10	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.786195 °	39.786195 °	
			-121.881325 °	-121.881325 °	
DWR ID	19262				

Photo 2 of 3 : UCIP_FA_2021_67668_100476.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.10	Rating **	U	Issue No.	26 (cont)
LM End	0.10	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67668_100477.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee shoulder

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.39	Rating **	M	Issue No.	27
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.785262 °	39.785262 °
				-121.876622 °	-121.876622 °
DWR ID	19278				
Comment Code					
Inspector Comment					
DS_ID:19278 FS_ID:67669 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/23/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/11/2014 Slide gate in CMP riser on waterside. The culvert was working during the field visit. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)]. FS Date: 3/23/2021 2:00:15 PM					

Photo 1 of 3 : UCIP_FA_2021_67669_100480.jpg



Top of Levee: View of levee crown looking downstream

LM Start	0.39	Rating **	M	Issue No.	27 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67669_100481.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.39	Rating **	M	Issue No.	27 (cont)
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.785262 °	39.785262 °
				-121.876622 °	-121.876622 °
DWR ID	19278				

Photo 3 of 3 : UCIP_FA_2021_67669_100482.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee shoulder

LM Start	0.39	Rating **	M	Issue No.	28
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.785246 °	39.785246 °
				-121.876609 °	-121.876609 °
DWR ID	19277				

Comment Code

Inspector Comment

DS_ID:19277
FS_ID:67670
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/23/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
03/11/2014 Slide gate in CMP riser on waterside. The culvert was working during the field visit. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)].
FS Date: 3/23/2021 2:59:04 PM

Photo 1 of 3 : UCIP_FA_2021_67670_100486.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.39	Rating **	M	Issue No.	28 (cont)
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.785246 °	39.785246 °	
			-121.876609 °	-121.876609 °	
DWR ID	19277				

Photo 2 of 3 : UCIP_FA_2021_67670_100487.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.39	Rating **	M	Issue No.	28 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67670_100488.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee shoulder

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.39	Rating **	M	Issue No.	29	
LM End	0.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.785230 °	39.785230 °	
				-121.876592 °	-121.876592 °	
DWR ID	19263					
Comment Code						
Inspector Comment						
DS_ID:19263 FS_ID:67671 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/23/2021 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/11/2014 Slide gate in CMP riser on waterside. The culvert was working during the field visit. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)]. FS Date: 3/23/2021 3:06:10 PM						

Photo 1 of 3 : UCIP_FA_2021_67671_100492.jpg



Top of Levee: View of levee crown looking downstream

LM Start	0.39	Rating **	M	Issue No.	29 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67671_100493.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.39	Rating **	M	Issue No.	29 (cont)
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.785230 °	39.785230 °	
			-121.876592 °	-121.876592 °	
DWR ID	19263				

Photo 3 of 3 : UCIP_FA_2021_67671_100494.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee shoulder

LM Start	1.25	Rating **	U	Issue No.	30
LM End	1.25	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.779678 °	39.779678 °	
			-121.862632 °	-121.862632 °	
DWR ID	19264				

Comment Code

Inspector Comment

DS_ID:19264
 FS_ID:67676
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 03/23/2021 Record updated from No Action Needed to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
 03/11/2014 The culvert was working during the field visit. (P. Amatya - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end.
 [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.28)].
 FS Date: 3/23/2021

Photo 1 of 3 : UCIP_FA_2021_67676_100511.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.25	Rating **	U	Issue No.	30 (cont)
LM End	1.25	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.779678 °	39.779678 °	
			-121.862632 °	-121.862632 °	
DWR ID	19264				

Photo 2 of 3 : UCIP_FA_2021_67676_100513.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.25	Rating **	U	Issue No.	30 (cont)
LM End	1.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67676_100512.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.50	Rating **	M	Issue No.	31 (cont)
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.779230 °	39.779230 °	
			-121.857945 °	-121.857945 °	
DWR ID	19265				

Photo 3 of 3 : UCIP_FA_2021_67677_100519.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.17	Rating **	M	Issue No.	33
LM End	2.17	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.785290 °	39.785290 °	
			-121.844235 °	-121.844235 °	
DWR ID	19267				

Comment Code

Inspector Comment

DS_ID:19267
FS_ID:67679
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/25/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
03/07/2014 Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end.
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)].
FS Date: 3/25/2021 8:45:44 AM

Photo 1 of 3 : UCIP_FA_2021_67679_100529.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.17	Rating **	M	Issue No.	33 (cont)
LM End	2.17	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.785290 °	39.785290 °	
			-121.844235 °	-121.844235 °	
DWR ID	19267				

Photo 2 of 3 : UCIP_FA_2021_67679_100528.jpg



Water-Side: U-shaped Headwall and revetment on levee slope

LM Start	2.17	Rating **	M	Issue No.	33 (cont)
LM End	2.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67679_100530.jpg



Land-Side: U-shaped headwall and pipe at levee toe

LM Start	2.68	Rating **	A/W	Issue No.	20
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.781508 °	39.781327 °
				-121.850137 °	-121.850828 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: CHI 2.7 L					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2017 - No trees on bank or levee. Large erosion scarp along lower bank. Technically on Sheeps Hollow.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.08	Rating **	M	Issue No.	35	
LM End	3.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.778016 °	39.778016 °	
				-121.854460 °	-121.854460 °	
DWR ID	19269					
Comment Code						
Inspector Comment						
DS_ID:19269 FS_ID:67681 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/25/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)]. FS Date: 3/25/2021 10:55:20 AM						

LM Start	3.08	Rating **	M	Issue No.	35 (cont)
LM End	3.08	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67681_100537.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67681_100538.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.08	Rating **	M	Issue No.	35 (cont)
LM End	3.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.778016 °	39.778016 °
				-121.854460 °	-121.854460 °
DWR ID	19269				

Photo 3 of 3 : UCIP_FA_2021_67681_100539.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.09	Rating **	M	Issue No.	22
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.777880 °	39.777880 °
				-121.854230 °	-121.854230 °
DWR ID	DWR_NA0003_03_s_2019_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_67_22_20211011_00002.jpg



View of the wild growth at the landside toe. Spring 2019.

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.19	Rating **	M	Issue No.	36
LM End	3.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777463 °	39.777463 °
				-121.852512 °	-121.852512 °
DWR ID	19270				

Comment Code

Inspector Comment

DS_ID:19270
FS_ID:67682
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/25/2021 Record is Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)].
FS Date: 3/25/2021 10:58:02 AM

LM Start	3.19	Rating **	M	Issue No.	36 (cont)
LM End	3.19	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67682_100543.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67682_100544.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.19	Rating **	M	Issue No.	36 (cont)
LM End	3.19	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.777463 °	39.777463 °	
			-121.852512 °	-121.852512 °	
DWR ID	19270				

Photo 3 of 3 : UCIP_FA_2021_67682_100545.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.34	Rating **	M	Issue No.	37
LM End	3.34	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.777410 °	39.777410 °	
			-121.849627 °	-121.849627 °	
DWR ID	19271				

Comment Code

Inspector Comment

DS_ID:19271
FS_ID:67683
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/25/2021 Record remains Non-Urgent. Debris around culver has been cleared. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)].
FS Date: 3/25/2021 11:00:29 AM

Photo 1 of 3 : UCIP_FA_2021_67683_100549.jpg



Top of Levee: View of 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.34	Rating **	M	Issue No.	37 (cont)
LM End	3.34	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.777410 °	39.777410 °	
			-121.849627 °	-121.849627 °	
DWR ID	19271				

Photo 2 of 3 : UCIP_FA_2021_67683_100550.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.34	Rating **	M	Issue No.	37 (cont)
LM End	3.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67683_100551.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.38	Rating **	M	Issue No.	14
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.777429 °	39.777429 °
				-121.848937 °	-121.848937 °
DWR ID	DWR_NA0003_03_f_2016_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_67_14_20211011_00001.jpg



View of a bush along the landside slope. Fall 2020.

* 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	

Butte County Department of Public Works

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	38 (cont)
LM End	3.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777139 °	39.777139 °
				-121.846769 °	-121.846769 °
DWR ID	19272				

Photo 3 of 3 : UCIP_FA_2021_67684_100557.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.68	Rating **	M	Issue No.	40
LM End	3.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777662 °	39.777662 °
				-121.843489 °	-121.843489 °
DWR ID	19275				

Comment Code

Inspector Comment

DS_ID:19275
FS_ID:67687
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/25/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
03/04/2014 The culvert was working during the field visit. Needs cleaning and clearing on both ends of the pipe. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.76)].
FS Date: 3/25/2021 1:22:36 PM

Photo 1 of 3 : UCIP_FA_2021_67687_100570.jpg



Top of Levee: View of 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/18/2021 10/18/2021	Makar Sokol

LM Start	3.68	Rating **	M	Issue No.	40 (cont)
LM End	3.68	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.777662 °	39.777662 °	
			-121.843489 °	-121.843489 °	
DWR ID	19275				

Photo 2 of 3 : UCIP_FA_2021_67687_100571.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.68	Rating **	M	Issue No.	40 (cont)
LM End	3.68	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67687_100572.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	42	
LM End	0.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.776554 °	39.776554 °	
				-121.850730 °	-121.850730 °	
DWR ID	19279					
Comment Code						
Inspector Comment						
DS_ID:19279 FS_ID:67692 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/25/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/07/2014 Needs cleaning and clearing the culvert (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)]. FS Date: 3/25/2021 2:10:39 PM						

LM Start	0.27	Rating **	M	Issue No.	42 (cont)
LM End	0.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67692_100580.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_67692_100581.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	42 (cont)
LM End	0.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID	19279				

Photo 3 of 3 : UCIP_FA_2021_67692_100582.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.33	Rating **	M	Issue No.	43
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775926 °	39.775926 °
				-121.850647 °	-121.850647 °
DWR ID	19280				

Comment Code

Inspector Comment

DS_ID:19280
FS_ID:67693
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/25/2021 Record remains Non-Urgent. Debris around on inlet has been cleared. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
03/07/2014 Slide gate in a CMP riser. Vegetation debris and mud on inlet box. Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end.
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)].
FS Date: 3/25/2021 2:16:53 PM

Photo 1 of 3 : UCIP_FA_2021_67693_100586.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.33	Rating **	M	Issue No.	43 (cont)
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.775926 °	39.775926 °	
			-121.850647 °	-121.850647 °	
DWR ID	19280				

Photo 2 of 3 : UCIP_FA_2021_67693_100588.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.33	Rating **	M	Issue No.	43 (cont)
LM End	0.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67693_100589.jpg



Water-Side: Detailed view of levee slope. Pipe outfall not visible on waterside. Crossing DSID 19288 on opposite side of levee

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.35	Rating **	U	Issue No.	44
LM End	0.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID	19281				
Comment Code					
Inspector Comment					
DS_ID:19281 FS_ID:67694 EP_NO: N/A Repair Type: Urgent EVAL Issue: Flood Risk Crossing Status: Found UCIP Comments: 03/25/2021 Record updated from Non-Urgent to Urgent. Debris inside pipe holds flap gate from complete closing. Backflow may cause flood risk to landside. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)]. FS Date: 3/25/2021 2:21:16 PM					

LM Start	0.35	Rating **	U	Issue No.	44 (cont)
LM End	0.35	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67694_100592.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_67694_100593.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.35	Rating **	U	Issue No.	44 (cont)
LM End	0.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID	19281				

Photo 3 of 3 : UCIP_FA_2021_67694_100594.jpg



Water-Side: View of levee slope looking from crown

LM Start	0.63	Rating **	M	Issue No.	26
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.773988 °	39.773988 °
				-121.846320 °	-121.846320 °
DWR ID	DWR_NA0003_04_s_2019_26				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Erosion rills are located in this area. The storm inlet on the landside may not be functioning properly and may impact ability to access the patrol road.

Photo 1 of 1 : FA_2021_NA0003_68_26_20211011_00005.jpg



View of the erosion on the waterside slope. Fall 2020.

*** 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.92	Rating **	M	Issue No.	49	
LM End	0.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.775704 °	39.775704 °	
				-121.850901 °	-121.850901 °	
DWR ID	19287					
Comment Code						
Inspector Comment						
DS_ID:19287 FS_ID:67765 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/23/2021 Record remains Non-Urgent. Debris has been cleared. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.96)]. FS Date: 3/23/2021 2:28:32 PM						

LM Start	0.92	Rating **	M	Issue No.	49 (cont)
LM End	0.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67765_100840.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67765_100841.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.92	Rating **	M	Issue No.	49 (cont)
LM End	0.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775704 °	39.775704 °
				-121.850901 °	-121.850901 °
DWR ID	19287				

Photo 3 of 3 : UCIP_FA_2021_67765_100845.jpg



Water-Side: Headwall and flap gate at levee toe

LM Start	0.94	Rating **	M	Issue No.	51
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID	19288				

Comment Code

Inspector Comment

DS_ID:19288
FS_ID:67774
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Pipe Damage
Crossing Status: Found
UCIP Comments: 03/23/2021 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
03/07/2014 Slide gate in CMP riser on waterside. No access to CMP riser. Needs cleaning and clearing the culvert. (P. Amaty - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)].
FS Date: 3/23/2021 3:07:34 PM

Photo 1 of 3 : UCIP_FA_2021_67774_100884.jpg



Top of Levee: View of 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.94	Rating **	M	Issue No.	51 (cont)
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID	19288				

Photo 2 of 3 : UCIP_FA_2021_67774_100885.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.94	Rating **	M	Issue No.	51 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67774_100886.jpg



Water-Side: View of levee slope looking from crown. CMP riser with slide gate on levee slope

LM Start	1.04	Rating **	M	Issue No.	23
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.776589 °	39.776589 °
				-121.852600 °	-121.852600 °
DWR ID	DWR_NA0003_04_f_2016_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_68_23_20211011_00004.jpg



View of the blackberry bushes along the landside toe. Spring 2021.

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.11	Rating **	M	Issue No.	52	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.776709 °		39.776709 °
				-121.853932 °		-121.853932 °
DWR ID	19289					
Comment Code						
Inspector Comment						
DS_ID:19289 FS_ID:67776 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/23/2021 Record remains Non-Urgent. Flap gate at waterside headwall is stuck closed. Hinges may need lubrication. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)]. FS Date: 3/23/2021 3:10:19 PM						

LM Start	1.11	Rating **	M	Issue No.	52 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67776_100894.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67776_100895.jpg



Land-Side: View of levee slope looking from crown

* 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 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.11	Rating **	M	Issue No.	52 (cont)
LM End	1.11	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.776709 °	39.776709 °	
			-121.853932 °	-121.853932 °	
DWR ID	19289				

Photo 3 of 3 : UCIP_FA_2021_67776_100896.jpg



Water-Side: View of levee slope looking from crown

LM Start	1.35	Rating **	M	Issue No.	53
LM End	1.35	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.778370 °	39.778370 °	
			-121.857904 °	-121.857904 °	
DWR ID	19290				

Comment Code

Inspector Comment

DS_ID:19290
FS_ID:67777
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/23/2021 Record remains Non-Urgent. Debris has been cleared. No permit has been identified authorizing pipe. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.41)].
FS Date: 3/23/2021 3:14:57 PM

Photo 1 of 3 : UCIP_FA_2021_67777_100900.jpg



Top of Levee: View of 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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.15	Rating **	M	Issue No.	54
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.782777 °	39.782777 °
				-121.871179 °	-121.871179 °
DWR ID	19291				
Comment Code					
Inspector Comment					
DS_ID:19291 FS_ID:67779 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 03/23/2021 Record remains Non-Urgent. Debris has been cleared. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.22)]. FS Date: 3/23/2021 3:17:08 PM					

LM Start	2.15	Rating **	M	Issue No.	54 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67779_100908.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_FA_2021_67779_100909.jpg



Land-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.15	Rating **	M	Issue No.	54 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.782777 °	39.782777 °
				-121.871179 °	-121.871179 °
DWR ID	19291				

Photo 3 of 3 : UCIP_FA_2021_67779_100910.jpg



Water-Side: View of levee slope looking from crown

LM Start	2.47	Rating **	M	Issue No.	55
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.784244 °	39.784244 °
				-121.876810 °	-121.876810 °
DWR ID	19292				

Comment Code

Inspector Comment

DS_ID:19292
FS_ID:67780
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Pipe Damage
Crossing Status: Found
UCIP Comments: 03/23/2021 Record remains Non-Urgent. Debris has been cleared. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
03/07/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)].
FS Date: 3/23/2021 3:19:43 PM

Photo 1 of 3 : UCIP_FA_2021_67780_100914.jpg



Top of Levee: View of levee crown looking upstream

* Location LS : Land Side 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/18/2021 10/18/2021	Makar Sokol

LM Start	2.47	Rating **	M	Issue No.	55 (cont)
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.784244 °	39.784244 °	
			-121.876810 °	-121.876810 °	
DWR ID	19292				

Photo 2 of 3 : UCIP_FA_2021_67780_100915.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.47	Rating **	M	Issue No.	55 (cont)
LM End	2.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67780_100916.jpg



Water-Side: View of levee slope looking from crown

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/18/2021 10/18/2021	Makar Sokol

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.763164 °	39.761860 °
				-121.790335 °	-121.792635 °
DWR ID	DWR_NA0003_05_s_2012_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_69_1_20211011_00001.jpg



View of the wild growth on the landside slope. Spring 2019.

LM Start	0.08	Rating **	M	Issue No.	4
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.762693 °	39.762693 °
				-121.790925 °	-121.790925 °
DWR ID	DWR_NA0003_05_s_2019_4				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.38	Rating **	M	Issue No.	8
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.761447 °	39.761179 °
				-121.795898 °	-121.796344 °
DWR ID	DWR_NA0003_05_f_2021_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_69_8_20211025_00045.jpg



View of the wild growth along the landside slope. Fall 2021.

* 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 - Fall 2021

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/18/2021 10/18/2021	Makar Sokol

LM Start	1.19	Rating **	M	Issue No.	12
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.767958 °	39.767958 °
				-121.806326 °	-121.806326 °
DWR ID	DWR_NA0003_05_s_2019_12				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_69_12_20211011_00003.jpg



View of the landside slope erosion caused by foot traffic. Spring 2020.

LM Start	1.25	Rating **	M	Issue No.	13
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.768621 °	39.768621 °
				-121.807052 °	-121.807052 °
DWR ID	DWR_NA0003_05_f_2016_13				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0003_69_13_20211011_00004.jpg



View of the damaged landside slope due to foot traffic. Fall 2020.

LM Start	1.49	Rating **	A/W	Issue No.	17
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.771379 °	39.771379 °
				-121.809849 °	-121.809849 °
DWR ID	DWR_NA0003_05_s_2019_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

* 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	