

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 Levee Inspection Results

Butte County Department of Public Works

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Butte County Department of Public Works

Waterway	Bank	Unit Miles
Unit No. 01 Mud Creek	Right	6.80

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2020 - 4/6/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	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			o	
DWR ID	DWR_NA0003_01_s_2013_6			o	
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			o	
DWR ID	DWR_NA0003_01_s_2013_10			o	
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			o	
DWR ID	DWR_NA0003_01_f_2017_58			o	
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	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.19	Rating **	M	Issue No.	26
LM End	0.19	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.728529 °	39.728529 °	
			-121.934012 °	-121.934012 °	
DWR ID	DWR_NA0003_01_s_2019_26				
Comment Code					
PR : Prunings					
Inspector Comment					
The piles of prunings and tree stumps should be removed from the landside toe.					

Photo 1 of 1 : SP_2020_NA0003_64_26_20200226_00006.jpg



View of an adjacent pile of tree stumps at the landside toe. Spring 2019.

LM Start	0.25	Rating **	A/W	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:29705 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Looks cleaned recently. 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: 2/20/2014					

Photo 1 of 3 : UCIP_SP_2020_29705_54924.jpg



WS view: U typed concrete headwall, flapgate on levee slope.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.00	Rating **	M	Issue No.	65
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:32044 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning. 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: 2/20/2014					

Photo 1 of 3 : UCIP_SP_2020_32044_58543.jpg



WS view: U typed concrete headwall, pipe, and flapgate on levee slope.

LM Start	1.00	Rating **	M	Issue No.	65 (cont)
LM End	1.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_32044_58542.jpg



WS view: vegetation debris blocking outlet.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.00	Rating **	M	Issue No.	65 (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 3 of 3 : UCIP_SP_2020_32044_58541.jpg



LS view: U typed concrete headwall and CMP on levee slope.

LM Start	1.69	Rating **	M	Issue No.	15
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.745718 °	39.745718 °
				-121.923124 °	-121.923124 °
DWR ID	DWR_NA0003_01_s_2014_15				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

Photo 1 of 1 : SP_2020_NA0003_64_15_20200226_00002.jpg



View of the prunings along the landside toe.

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

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.90	Rating **	A/W	Issue No.	66
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:50142 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 - 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: 8/11/2016					

Photo 1 of 3 : UCIP_SP_2020_50142_55886.jpg



WS view: U type concrete headwall, flapgate on levee slope. Gate was not fully closed.

LM Start	1.90	Rating **	A/W	Issue No.	66 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_50142_55885.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking inlet.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.90	Rating **	A/W	Issue No.	66 (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_SP_2020_50142_55884.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	2.00	Rating **	M	Issue No.	3
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748330 °	39.748867 °
				-121.918685 °	-121.918533 °
DWR ID	DWR_NA0003_01_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_64_3_20200226_00001.jpg



View of the fences along the landside toe.

LM Start	2.03	Rating **	M	Issue No.	48
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.748784 °	39.749872 °
				-121.918597 °	-121.918296 °
DWR ID	DWR_NA0003_01_f_2016_48				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_64_48_20200226_00014.jpg



View of landscaping vegetation blocking visibility.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	2.04	Rating **	M	Issue No.	47
LM End	2.05	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.748797 °	39.749034 °	
			-121.918592 °	-121.918526 °	
DWR ID	DWR_NA0003_01_f_2016_47				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	2.06	Rating **	U	Issue No.	40
LM End	2.08	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.749145 °	39.749461 °	
			-121.918506 °	-121.918425 °	
DWR ID	DWR_NA0003_01_s_2016_40				
Comment Code					
FE : Fence					
Inspector Comment					
The corrugated fencing with vegetation is completely obscuring landside toe.					

Photo 1 of 1 : SP_2020_NA0003_64_40_20200226_00013.jpg



View of a metal fence and treehouse obstructing visibility and access.

LM Start	2.10	Rating **	U	Issue No.	24
LM End	2.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.749732 °	39.749732 °	
			-121.918270 °	-121.918270 °	
DWR ID	DWR_NA0003_01_s_2012_24				
Comment Code					
BU : Building					
Inspector Comment					
Shed and plank fencing are blocking visibility.					

Photo 1 of 1 : SP_2020_NA0003_64_24_20200226_00004.jpg



View of a metal shed and fence along the landside toe.

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

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	2.38	Rating **	M	Issue No.	19
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.753041 °	39.753041 °	
			-121.915566 °	-121.915566 °	
DWR ID	DWR_NA0003_01_f_2019_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.49	Rating **	M	Issue No.	20
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.754431 °	39.754431 °	
			-121.914770 °	-121.914770 °	
DWR ID	DWR_NA0003_01_f_2019_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.57	Rating **	M	Issue No.	21
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.755692 °	39.755692 °	
			-121.914873 °	-121.914873 °	
DWR ID	DWR_NA0003_01_f_2019_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	2.71	Rating **	M	Issue No.	67
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.757445 °	39.757445 °	
			-121.913654 °	-121.913654 °	
DWR ID	19230				
Comment Code					
Inspector Comment					
DS_ID:19230 FS_ID:30291 EP_NO: 16633 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A concrete water control box on landside shoulder. It needs confirmation and more info from LMA and/or DWR Inspector. FIELD_STRUCT_DESC: 2-inch coated and wrapped steel storm water discharge pipeline through the right bank and landside (LS) levee toe of Mud Creek. Submerged pump in a 36-inch corrugated metal pipe (CMP) casing, approximately 10 feet from the LS toe. Drainage ditch, up to 4 feet wide, runs perpendicular to the levee alignment starting at a CMP riser and running away from the levee. (Plans to install a 2-inch storm water discharge pipe through the levee and a pump on a concrete base on the right bank LS levee toe of Mud Creek authorized under Permit No. 16633, 1996 - Jim Paiva). FS Date: 2/20/2014					

Photo 1 of 3 : UCIP_SP_2020_30291_55700.jpg



LS view: CMP riser on levee toe (top) and control box on levee shoulder (bottom).

LM Start	2.71	Rating **	M	Issue No.	67 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_30291_55699.jpg



LS view: CMP riser on levee toe and drainage ditch perpendicular to the levee.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	2.71	Rating **	M	Issue No.	67 (cont)
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.757445 °	39.757445 °
				-121.913654 °	-121.913654 °
DWR ID	19230				

Photo 3 of 3 : UCIP_SP_2020_30291_55698.jpg



LS view: inside view of CMP riser. Pipe, gate valve, air vent, and submersible pump in the riser.

LM Start	2.98	Rating **	M	Issue No.	39
LM End	2.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.760539 °	39.760539 °
				-121.911376 °	-121.911376 °
DWR ID	DWR_NA0003_01_s_2016_39				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Truck and farm equipment are blocking the landside toe.					

Photo 1 of 1 : SP_2020_NA0003_64_39_20200226_00012.jpg



View of equipment and vehicles along the landside toe.

LM Start	3.01	Rating **	C	Issue No.	52
LM End	3.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.760888 °	39.760888 °
				-121.911309 °	-121.911309 °
DWR ID	DWR_NA0003_01_s_2019_52				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
The almond tree should be removed from the landside shoulder.					

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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	3.02	Rating **	C	Issue No.	25
LM End	3.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761085 °	39.761085 °
				-121.911048 °	-121.911048 °
DWR ID	DWR_NA0003_01_s_2012_25				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

No Photos

LM Start	3.03	Rating **	M	Issue No.	68
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:30294 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet and outlet needs cleaning and clearing of debris. 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: 2/20/2014					

Photo 1 of 2 : UCIP_SP_2020_30294_55704.jpg



WS view: U type concrete headwall, flapgate on levee slope.

* 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	04/06/2020 04/06/2020	Makar Sokol

LM Start	3.39	Rating **	M	Issue No.	70 (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 3 of 3 : UCIP_SP_2020_30310_55739.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	3.70	Rating **	C	Issue No.	23
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767876 °	39.767876 °
				-121.902545 °	-121.902545 °
DWR ID	DWR_NA0003_01_f_2019_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Pile of prunings should be removed from the landside toe easement.					

No Photos

LM Start	3.75	Rating **	M	Issue No.	28
LM End	3.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.768596 °	39.768596 °
				-121.902269 °	-121.902269 °
DWR ID	DWR_NA0003_01_f_2019_28				
Comment Code					
PR : Prunings					
Inspector Comment					
The pile of prunings should be removed from the landside toe easement.					

Photo 1 of 1 : SP_2020_NA0003_64_28_20200413_00049.jpg



View of the prunings at the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	4.01	Rating **	U	Issue No.	29
LM End	4.01	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.771732 °	39.771732 °	
			-121.899699 °	-121.899699 °	
DWR ID	DWR_NA0003_01_f_2014_29				
Comment Code					
CR : Crops					
Inspector Comment					
Fruit trees are present at the toe of the levee.					

Photo 1 of 1 : SP_2020_NA0003_64_29_20200226_00008.jpg



View of the fruit trees within 10' of landside levee toe.

LM Start	4.03	Rating **	C	Issue No.	33
LM End	4.03	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.771921 °	39.771921 °	
			-121.899362 °	-121.899362 °	
DWR ID	DWR_NA0003_01_f_2019_33				
Comment Code					
PR : Prunings					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

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	2017 USACE Erosion Survey			39.773257 °	39.773969 °
				-121.895618 °	-121.895078 °
DWR ID	DWR_ST0010_02_f_2022_9				
Comment Code					
Inspector Comment					
2017 Site ID: MUD 4.4 R Status: Eroding 2017 Field Notes: Erosion scarps have increased since last inspection in 2011. 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.					

No Photos

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

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	4.41	Rating **	M	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

LM Start	4.45	Rating **	M	Issue No.	61
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.775710 °	39.775710 °	
			-121.894060 °	-121.894060 °	
DWR ID	DWR_NA0003_01_s_2019_61				
Comment Code					
T1 : Trim trees to at least five 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	4.81	Rating **	M	Issue No.	73
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:30388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipe. 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: 2/20/2014					

Photo 1 of 2 : UCIP_SP_2020_30388_55891.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation/soil debris blocking outlet.

LM Start	4.81	Rating **	M	Issue No.	73 (cont)
LM End	4.81	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2020_30388_55890.jpg



LS view: Underground CM standpipe intake with steel grit on levee toe.

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

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	5.06	Rating **	M	Issue No.	74
LM End	5.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.783387 °	39.783387 °
				-121.888839 °	-121.888839 °
DWR ID	19231				
Comment Code					
Inspector Comment					
DS_ID:19231 FS_ID:41870 EP_NO: 9874 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact the owner to determine crossing status and install gasoline markers if its appropriate to do so. FIELD_STRUCT_DESC: 6-inch natural gas main of an unknown material through both levees and under Mud Creek, downstream from the Esplanade, 2.5 feet below the crown. Gas line indicator/marker post found across the creek in Named Area No. 3 (NA0003), Unit No. 2. (Plans to install a 6-inch natural gas pipeline across Mud Creek and through adjacent levee authorized under Permit No. 9874, 1974 - Pacific Gas and Electric Company [PG&E]). FS Date: 2/20/2014					

No Photos

LM Start	5.09	Rating **	A/W	Issue No.	75
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:30327 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in CM stadipe on waterside levee slope. 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: 2/20/2014					

Photo 1 of 3 : UCIP_SP_2020_30327_55768.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	5.09	Rating **	A/W	Issue No.	75 (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 2 of 3 : UCIP_SP_2020_30327_55767.jpg



WS view: CM standpipe with slide gate on levee slope.

LM Start	5.20	Rating **	A/W	Issue No.	75 (cont)
LM End	5.09	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_30327_55766.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	5.20	Rating **	M	Issue No.	55
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.784234 °	39.784234 °
				-121.886589 °	-121.886589 °
DWR ID	DWR_NA0003_01_f_2016_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_64_55_20200413_00050.jpg



View of the blackberry bushes along the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	5.30	Rating **	M	Issue No.	76 (cont)
LM End	5.30	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784739 °	39.784739 °
				-121.884860 °	-121.884860 °
DWR ID	19223				

Photo 3 of 3 : UCIP_SP_2020_30368_55859.jpg



LS view: pipe, pumps, power boxes, concrete vault on landside.

LM Start	5.31	Rating **	M	Issue No.	62
LM End	5.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.784860 °	39.787614 °
				-121.884556 °	-121.885086 °
DWR ID	DWR_NA0003_01_s_2019_62				
Comment Code					
FE : Fence					
Inspector Comment					
A chain link fence is within the easement on the landside toe.					

No Photos

LM Start	5.65	Rating **	C	Issue No.	35
LM End	5.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.789093 °	39.789093 °
				-121.886500 °	-121.886500 °
DWR ID	DWR_NA0003_01_f_2019_35				
Comment Code					
PR : Prunings					
Inspector Comment					
The pile of prunings should be removed from the landside toe easement.					

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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	04/06/2020 04/06/2020	Makar Sokol

LM Start	5.83	Rating **	M	Issue No.	63
LM End	6.47	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.791379 °	39.798480 °	
			-121.886390 °	-121.881705 °	
DWR ID	DWR_NA0003_01_s_2019_63				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	5.98	Rating **	U	Issue No.	37
LM End	6.13	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.793411 °	39.795145 °	
			-121.887310 °	-121.885872 °	
DWR ID	DWR_NA0003_01_s_2016_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Various overgrown vegetation completely obscuring landside toe visibility.					

Photo 1 of 1 : SP_2020_NA0003_64_37_20200226_00011.jpg



04/25/2016: Trim trees on L/S slope.

LM Start	6.36	Rating **	M	Issue No.	30
LM End	6.39	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.797714 °	39.797884 °	
			-121.883384 °	-121.882883 °	
DWR ID	DWR_NA0003_01_s_2016_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Rosemary landscaping covering landside toe.					

Photo 1 of 1 : SP_2020_NA0003_64_30_20200226_00009.jpg



View of the landscaping blocking visibility.

* 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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Butte County Department of Public Works

Waterway	Bank	Unit Miles
Unit No. 02 Mud Creek	Left	7.96

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2020 - 4/8/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	0.23	Rating **	M	Issue No.	47 (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_SP_2020_31667_57966.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris on inlet box.

LM Start	0.27	Rating **	M	Issue No.	36
LM End	0.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.797263 °	39.797263 °
				-121.882242 °	-121.882242 °
DWR ID	DWR_NA0003_02_s_2019_36				
Comment Code					
DE : Debris					
Inspector Comment					
The debris should be removed from the landside slope and toe.					

No Photos

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

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

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

LM Start	0.55	Rating **	M	Issue No.	28
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.794345 °	39.794345 °
				-121.885423 °	-121.885423 °
DWR ID	DWR_NA0003_02_s_2019_28				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	M	Issue No.	27
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.793979 °	39.793979 °
				-121.885781 °	-121.885781 °
DWR ID	DWR_NA0003_02_s_2019_27				
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 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	1.26	Rating **	M	Issue No.	48 (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_SP_2020_30403_55920.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	1.46	Rating **	M	Issue No.	49
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:30743
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Needs cleaning and clearing of debris.
 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: 2/24/2014

Photo 1 of 2 : UCIP_SP_2020_30743_56641.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Debris in outlet box.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	1.46	Rating **	M	Issue No.	49 (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 2 : UCIP_SP_2020_30743_56640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil in inlet area.

LM Start	1.49	Rating **	U	Issue No.	3
LM End	1.81	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.782773 °	39.778972 °	
			-121.888178 °	-121.891563 °	
DWR ID	DWR_NA0003_02_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_65_3_20200413_00059.jpg



View of the fence along the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	50
LM End	1.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.782766 °	39.782766 °	
			-121.888187 °	-121.888187 °	
DWR ID	24803				
Comment Code					
Inspector Comment					
DS_ID:24803 FS_ID:41873 EP_NO: 9874 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need to contact owner to determine status of crossing and install markers as appropriate. FIELD_STRUCT_DESC: 6-inch natural gas main of an unknown material through both levees and under Mud Creek, downstream from the Esplanade, at an unknown depth. Indicator on the landside (LS) toe. (Plans to install a 6-inch natural gas pipeline across Mud Creek and through adjacent levee authorized under Permit No. 9874, 1974 - Pacific Gas and Electric Company [PG&E]). FS Date: 2/24/2014					

Photo 1 of 1 : UCIP_SP_2020_41873_56643.jpg



LS view: gasline marker on 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	1.67	Rating **	M	Issue No.	4
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.780530 °	39.780530 °	
			-121.889938 °	-121.889938 °	
DWR ID	DWR_NA0003_02_s_2019_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.03	Rating **	M	Issue No.	51
LM End	2.03	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.776025 °	39.776025 °	
			-121.892911 °	-121.892911 °	
DWR ID	19238				
Comment Code					
Inspector Comment					
DS_ID:19238 FS_ID:41375 EP_NO: 12619A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 24-inch CM pipe.- inlet and spillway may need cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity storm 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. (Plans to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located approximately 500 feet upstream from Nord Highway authorized under Permit No. 12619, 1979 - Richard E. Vermillion. Plans for extension of time to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located upstream from Nord Highway authorized under Permit No. 12619-A, 1980 - Richard E. Vermillion). The storm drain never got replaced. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe referenced. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.13)]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_SP_2020_41375_56646.jpg



WS view: U type concrete headwall and flapgate on levee slope. Vegetation debris on spillway.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	2.03	Rating **	M	Issue No.	51 (cont)
LM End	2.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776025 °	39.776025 °
				-121.892911 °	-121.892911 °
DWR ID	19238				

Photo 2 of 3 : UCIP_SP_2020_41375_56645.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

LM Start	2.03	Rating **	M	Issue No.	51 (cont)
LM End	2.03	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_41375_56644.jpg



LS view: U type concrete headwall and CMP on levee slope.

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 : SP_2020_NA0003_65_25_20200226_00004.jpg



View of the erosion on the landside slope due to vehicle traffic. Fall 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	2.34	Rating **	M	Issue No.	52 (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_SP_2020_30763_56660.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

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	2017 USACE Erosion Survey			39.771186 °	39.769616 °
				-121.899060 °	-121.900854 °
DWR ID	DWR_ST0010_02_f_2022_11				
Comment Code					
Inspector Comment					
2017 Site ID: MUD 2.8 L Status: Eroding New 2017 Field Notes: Large erosion scarp along lower toe. Site History:					

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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	2.74	Rating **	M	Issue No.	53 (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_SP_2020_30783_56680.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	2.80	Rating **	C	Issue No.	1
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767841 °	39.767841 °
				-121.901534 °	-121.901534 °
DWR ID	DWR_NA0003_02_f_2013_1				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood and broken concrete pipes should be removed from the landside toe.					

No Photos

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	2017 USACE Erosion Survey			39.765543 °	39.764869 °
				-121.905367 °	-121.906737 °
DWR ID	DWR_ST0010_02_f_2022_12				
Comment Code					
Inspector Comment					
2017 Site ID: MUD 3.3 L Status: Eroding New 2017 Field Notes: Large mass failure of lower bank slope. Site History:					

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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	54 (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_SP_2020_30803_56683.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

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 : SP_2020_NA0003_65_10_20200413_00060.jpg



View of the damaged landside slope due to vehicle traffic. Spring 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 LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	Issue Type 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	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	4.61	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:31028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. 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: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2020_31028_56913.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	5.64	Rating **	M	Issue No.	56 (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 3 of 3 : UCIP_SP_2020_31031_56915.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	5.85	Rating **	M	Issue No.	30
LM End	5.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.736646 °	39.736646 °
				-121.932037 °	-121.932037 °
DWR ID	DWR_NA0003_02_s_2020_30				
Comment Code					
MA : Material					
Inspector Comment					
Remove the plastic piping from landside toe.					

Photo 1 of 1 : SP_2020_NA0003_65_30_20200413_00061.jpg



View of the plastic piping along the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	6.15	Rating **	M	Issue No.	59 (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_SP_2020_31034_56924.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	6.43	Rating **	M	Issue No.	60
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:31085
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Needs cleaning and clearing of debris.
 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. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)].
 FS Date: 2/25/2014

Photo 1 of 3 : UCIP_SP_2020_31085_56988.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	6.43	Rating **	M	Issue No.	60 (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_SP_2020_31085_56987.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	6.43	Rating **	M	Issue No.	60 (cont)
LM End	6.43	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_31085_56986.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	6.71	Rating **	M	Issue No.	33
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.725682 °	39.725682 °
				-121.935768 °	-121.935768 °
DWR ID	DWR_NA0003_02_s_2020_33				
Comment Code					
PR : Prunings					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	6.93	Rating **	M	Issue No.	34
LM End	6.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.722946 °	39.722946 °
				-121.937802 °	-121.937802 °
DWR ID	DWR_NA0003_02_s_2020_34				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	6.94	Rating **	M	Issue No.	61
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:31103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. 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: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2020_31103_57002.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	7.22	Rating **	M	Issue No.	62
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:32085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. 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: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2020_32085_58585.jpg



WS view: slide gates in CMP risers on waterside shoulder.

LM Start	7.22	Rating **	M	Issue No.	62 (cont)
LM End	7.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_32085_58584.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	7.22	Rating **	M	Issue No.	62 (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 3 of 3 : UCIP_SP_2020_32085_58586.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	7.23	Rating **	M	Issue No.	63
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:32087
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing on both pipe ends.
 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: 2/25/2014

Photo 1 of 3 : UCIP_SP_2020_32087_58592.jpg



WS view: slide gates in CMP risers on waterside shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	7.23	Rating **	M	Issue No.	64
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				
Comment Code					
Inspector Comment					
DS_ID:19260 FS_ID:32086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 2 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: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2020_32086_58589.jpg



WS view: slide gates in CMP risers on waterside shoulder.

LM Start	7.23	Rating **	M	Issue No.	64 (cont)
LM End	7.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_32086_58588.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	04/06/2020 04/08/2020	Makar Sokol

LM Start	7.23	Rating **	M	Issue No.	64 (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_SP_2020_32086_58587.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	7.25	Rating **	M	Issue No.	46
LM End	7.89	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.718535 °	39.709884 °	
			-121.937350 °	-121.935979 °	
DWR ID	DWR_NA0003_02_s_2019_46				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope and toe.					

Photo 1 of 1 : SP_2020_NA0003_65_46_20200226_00005.jpg



View of the piles of prunings along the landside toe. Fall 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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Butte County Department of Public Works

Waterway	Bank	Unit Miles
Unit No. 02A Channel Slough	Left	0.26

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2020 - 4/6/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.08	Rating **	M	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

LM Start	0.21	Rating **	A	Issue No.	3
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.735707 °	39.735707 °	
			-121.928811 °	-121.928811 °	
DWR ID	DWR_NA0003_02A_s_2020_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Good vegetation control on both landside and waterside slopes.					

Photo 1 of 1 : SP_2020_NA0003_66_3_20200413_00002.jpg



View of landside slope with good vegetation control. Spring 2020.

LM Start	0.21	Rating **	M	Issue No.	1
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.735806 °	39.735806 °	
			-121.928774 °	-121.928774 °	
DWR ID	DWR_NA0003_02A_f_2019_1				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_66_1_20200226_00001.jpg



View of depressions on the waterside slope. Fall 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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Butte County Department of Public Works

Waterway	Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2020 - 4/8/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	12
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.785970 °	39.785970 °	
			-121.882797 °	-121.882797 °	
DWR ID	DWR_NA0003_03_f_2015_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion on both slopes caused by motorcycle traffic.					

Photo 1 of 1 : SP_2020_NA0003_67_12_20200413_00041.jpg



View of the slope erosion caused by motorcycle traffic. Spring 2020.

LM Start	0.07	Rating **	M	Issue No.	3
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.786068 °	39.786068 °	
			-121.881828 °	-121.881828 °	
DWR ID	DWR_NA0003_03_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_67_3_20200413_00042.jpg



View of the erosion caused by motorcycles on the waterside slope. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	0.10	Rating **	A/W	Issue No.	29
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:51844 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 - UCIP)03/11/2014:Slide gate in CMP riser on waterside.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: 3/11/2014					

Photo 1 of 3 : UCIP_SP_2020_51844_58602.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

LM Start	0.10	Rating **	A/W	Issue No.	29 (cont)
LM End	0.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_51844_58601.jpg



WS view: U type concrete headwall of CMP culvert on levee slope. Grouted riprap levee slope and spillway.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	0.10	Rating **	A/W	Issue No.	29 (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 3 of 3 : UCIP_SP_2020_51844_58600.jpg



WS view: slide gate in CMP riser on waterside shoulder.

LM Start	0.14	Rating **	M	Issue No.	27
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.786368 °	39.786368 °
				-121.880602 °	-121.880602 °
DWR ID	DWR_NA0003_03_s_2019_27				
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 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	1.50	Rating **	A/W	Issue No.	34 (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 2 of 2 : UCIP_SP_2020_31899_58186.jpg



LS view: U type concrete headwall and CMP on levee slope. Looks clean and clear.

LM Start	1.61	Rating **	M	Issue No.	25
LM End	1.61	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.779297 °	39.779297 °
				-121.855977 °	-121.855977 °
DWR ID	DWR_NA0003_03_s_2019_25				
Comment Code					
FE : Fence					
Inspector Comment					
The gate across the crown should be removed or owner should apply for permit.					

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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	1.96	Rating **	M	Issue No.	35
LM End	1.96	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.781714 °	39.781714 °	
			-121.850868 °	-121.850868 °	
DWR ID	19266				
Comment Code					
Inspector Comment					
DS_ID:19266 FS_ID:31900 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Needs location confirmation, GPS reading has not taken due to access problem. 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 2.00)]. FS Date: 3/11/2014					

Photo 1 of 1 : UCIP_SP_2020_31900_58189.jpg



Bird's eye view: concrete headwall visible on both sides of the levee. Grouted riprap spillway on waterside.

LM Start	2.17	Rating **	M	Issue No.	36
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:32124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. 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: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2020_32124_58625.jpg



WS view: concrete headwall, pipe, and flapgate on levee slope. Vegetation and mud on outlet box.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	2.17	Rating **	M	Issue No.	36 (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_SP_2020_32124_58624.jpg



LS view: U type concrete headwall of CMP culvert on levee slope. Vegetation on inlet box.

LM Start	2.17	Rating **	M	Issue No.	36 (cont)
LM End	2.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_32124_58627.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	2.22	Rating **	M	Issue No.	37
LM End	2.22	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.785917 °	39.785917 °	
			-121.844502 °	-121.844502 °	
DWR ID	19268				
Comment Code					
Inspector Comment					
DS_ID:19268 FS_ID:41872 EP_NO: 14512 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and install gasoline markers if appropriate. FIELD_STRUCT_DESC: 6-inch coated steel high-pressure natural gas main through the levee, 2 feet below the crown. Paddle marker on the landside (LS) slope. (Plans to install a 6-inch high-pressure gas main under three levees and Sheep Hollow and Sycamore Creeks authorized under Permit No. 14512, 1986 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/7/2014					

No Photos

LM Start	2.68	Rating **	A/W	Issue No.	23
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		39.781508 °	39.781327 °	
			-121.850137 °	-121.850828 °	
DWR ID	DWR_ST0010_02_f_2022_13				
Comment Code					
Inspector Comment					
2017 Site ID: CHI 2.7 L Status: Eroding New 2017 Field Notes: No trees on bank or levee. Large erosion scarp along lower bank. Site History:					

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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.04	Rating **	U	Issue No.	19
LM End	3.04	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.778309 °	39.778309 °	
			-121.854967 °	-121.854967 °	
DWR ID	DWR_NA0003_03_s_2020_19				
Comment Code					
FE : Fence					
Inspector Comment					
The cattle gates should be removed or owner should apply for permit. The gates do not have a chain and a lock, but instead they are tied together with metal wires. Unable to pass through the gates.					

Photo 1 of 1 : SP_2020_NA0003_67_19_20200413_00039.jpg



View of the cattle gates blocking access. Spring 2020.

LM Start	3.08	Rating **	M	Issue No.	38
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:31901 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. 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: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2020_31901_58194.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope. Needs cleaning and clearing.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.08	Rating **	M	Issue No.	38 (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 2 of 3 : UCIP_SP_2020_31901_58193.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	3.08	Rating **	M	Issue No.	38 (cont)
LM End	3.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_31901_58195.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

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 : SP_2020_NA0003_67_22_20200226_00005.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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.19	Rating **	A/W	Issue No.	39 (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_SP_2020_31902_58199.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	3.34	Rating **	M	Issue No.	40
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:31864
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Needs cleaning and clearing the culvert.
 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: 3/7/2014

Photo 1 of 3 : UCIP_SP_2020_31864_58069.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.34	Rating **	M	Issue No.	40 (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_SP_2020_31864_58068.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	3.34	Rating **	M	Issue No.	40 (cont)
LM End	3.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_31864_58067.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

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 : SP_2020_NA0003_67_14_20200413_00040.jpg



View of a bush along the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	41 (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_SP_2020_31856_58051.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	3.65	Rating **	M	Issue No.	42
LM End	3.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777381 °	39.777381 °
				-121.844052 °	-121.844052 °
DWR ID	19273				

Photo 1 of 1 : UCIP_SP_2020_31851_58041.jpg



WS view: 6-inch steel pipe attached to Cohasset Road Bridge. Needs confirmation from LMA whether this is a gasline.

Comment Code					
Inspector Comment					
DS_ID:19273 FS_ID:31851 EP_NO: 14512 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A 6-inch steel pipe attached to the Cohasset Road Bridge. Not confirmed whether this is a gasline pipe. FIELD_STRUCT_DESC: 6-inch coated steel high-pressure natural gas main through the levee, 2 feet below the crown. (Plans to install a 6-inch high-pressure gas main under three levees and Sheep Hollow and Sycamore Creeks authorized under Permit No. 14512, 1986 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/7/2014					

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.68	Rating **	M	Issue No.	43
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:32125 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The culvert was working during the field visit. Needs cleaning and clearing on both ends of the pipe. 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: 3/4/2014					

Photo 1 of 2 : UCIP_SP_2020_32125_58629.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

LM Start	3.68	Rating **	M	Issue No.	43 (cont)
LM End	3.68	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2020_32125_58628.jpg



LS view: U type concrete headwall and pipe on levee slope. Soil/mud on inlet box. Vegetation debris blocking inlet box.

* 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**

Levee Inspection Report By Mile - Spring 2020

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	04/06/2020 04/08/2020	Makar Sokol

LM Start	3.82	Rating **	C	Issue No.	20
LM End	3.82	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.779026 °	39.779026 °	
			-121.841625 °	-121.841625 °	
DWR ID	DWR_NA0003_03_f_2019_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.96	Rating **	C	Issue No.	21
LM End	3.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.780606 °	39.780606 °	
			-121.840048 °	-121.840048 °	
DWR ID	DWR_NA0003_03_f_2019_21				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	4.03	Rating **	C	Issue No.	28
LM End	4.03	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.781465 °	39.781465 °	
			-121.839541 °	-121.839541 °	
DWR ID	DWR_NA0003_03_f_2019_28				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Butte County Department of Public Works

Waterway		Bank	Unit Miles
Unit No. 04 Sycamore and Dry Creeks		Right	2.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall
Unit Maintenance Rating (Fall Only)			
Date of Inspection	4/6/2020 - 4/6/2020		
DWR Inspector	Makar Sokol		
Accompanied By			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	16
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.776340 °	39.776509 °	
			-121.847146 °	-121.848830 °	
DWR ID	DWR_NA0003_04_s_2019_16				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.16	Rating **	C	Issue No.	20
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.776526 °	39.776526 °	
			-121.848727 °	-121.848727 °	
DWR ID	DWR_NA0003_04_f_2016_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	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_SP_2020_32026_58518.jpg



LS view: U type concrete headwall and CMP on levee slope. Mud and pebbles on inlet box.

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:32025
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box. Needs cleaning and clearing the culvert.
 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: 3/7/2014

Photo 1 of 3 : UCIP_SP_2020_32025_58512.jpg



WS view: slide gate in CMP riser on waterside shoulder.

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

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.35	Rating **	M	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_SP_2020_32023_58503.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

LM Start	0.35	Rating **	M	Issue No.	21
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.775672 °	39.775220 °
				-121.850301 °	-121.849805 °
DWR ID	DWR_NA0003_04_f_2016_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_68_21_20200413_00035.jpg



View of the wild growth along the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.35	Rating **	U	Issue No.	14
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.775656 °	39.775289 °	
			-121.850308 °	-121.849907 °	
DWR ID	DWR_NA0003_04_f_2019_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_68_14_20200226_00004.jpg



View of trees and wild growth along the waterside slope and toe. Fall 2019.

LM Start	0.46	Rating **	M	Issue No.	18
LM End	0.52	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.774467 °	39.774625 °	
			-121.848995 °	-121.847925 °	
DWR ID	DWR_NA0003_04_s_2019_18				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.46	Rating **	M	Issue No.	19
LM End	0.53	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.774460 °	39.774667 °	
			-121.848994 °	-121.847840 °	
DWR ID	DWR_NA0003_04_s_2019_19				
Comment Code					
BU : Building					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.53	Rating **	A/W	Issue No.	41
LM End	0.71	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.774692 °	39.772955 °
				-121.847710 °	-121.845925 °
DWR ID	DWR_NA0003_04_s_2019_41				
Comment Code					
MA : Material					
Inspector Comment					
This section is patrol road only.					

No Photos

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.					

No Photos

LM Start	0.77	Rating **	C	Issue No.	32
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.774198 °	39.774198 °
				-121.849021 °	-121.849021 °
DWR ID	DWR_NA0003_04_s_2019_32				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

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
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.83	Rating **	M	Issue No.	31
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.774801 °	39.774801 °
				-121.849850 °	-121.849850 °
DWR ID	DWR_NA0003_04_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

LM Start	0.88	Rating **	M	Issue No.	29
LM End	0.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.775362 °	39.775362 °
				-121.850468 °	-121.850468 °
DWR ID	DWR_NA0003_04_s_2019_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.91	Rating **	M	Issue No.	28
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775610 °	39.775610 °
				-121.850807 °	-121.850807 °
DWR ID	DWR_NA0003_04_s_2019_28				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.92	Rating **	M	Issue No.	46
LM End	0.92	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.775729 °	39.775729 °	
			-121.850950 °	-121.850950 °	
DWR ID	19293				
Comment Code					
Inspector Comment					
DS_ID:19293 FS_ID:31946 EP_NO: 15950 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only little gasline indicator flags found on both sides of the levee and across the creek. FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main line of an unknown material through both levees and under Dry Creek, 2 feet below the crown. (Plans to place a 6-inch high-pressure gas main under both levees and creek bed to a depth of 5 feet across Dry Creek authorized under Permit No. 15950, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 3/7/2014					

Photo 1 of 2 : UCIP_SP_2020_31946_58357.jpg



WS view: little gasline indicator (yellow flags) on both sides of the levee.

LM Start	0.92	Rating **	M	Issue No.	46 (cont)
LM End	0.92	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2020_31946_58356.jpg



WS view: close up view of little gasline indicator.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.94	Rating **	M	Issue No.	47 (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 3 of 3 : UCIP_SP_2020_32144_58642.jpg



WS view: side gate in CMP riser on waterside. No access to CMP riser.

LM Start	0.94	Rating **	M	Issue No.	1
LM End	1.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776013 °	39.776595 °
				-121.851175 °	-121.852005 °
DWR ID	DWR_NA0003_04_s_2012_1				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_68_1_20200226_00001.jpg



View of the fence and trees along the landside toe of the levee.

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 : SP_2020_NA0003_68_23_20200226_00007.jpg



View of the blackberries blocking visibility and access.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.11	Rating **	M	Issue No.	48 (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_SP_2020_31963_58385.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	1.11	Rating **	U	Issue No.	3
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776760 °	39.77650 °
				-121.854022 °	-121.855687 °
DWR ID	DWR_NA0003_04_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_68_3_20200413_00036.jpg



View of the fence along the landside toe. Spring 2020.

LM Start	1.27	Rating **	M	Issue No.	2
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.778003 °	39.778378 °
				-121.856403 °	-121.857953 °
DWR ID	DWR_NA0003_04_s_2012_2				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_NA0003_68_2_20200413_00037.jpg



View of the ditch at the landside toe. Spring 2020.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.88	Rating **	M	Issue No.	33
LM End	2.13	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.780227 °	39.782632 °	
			-121.867369 °	-121.870954 °	
DWR ID	DWR_NA0003_04_s_2019_33				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	2.00	Rating **	C	Issue No.	34
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.781217 °	39.781217 °	
			-121.869124 °	-121.869124 °	
DWR ID	DWR_NA0003_04_s_2019_34				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	04/06/2020 04/06/2020	Makar Sokol

LM Start	2.15	Rating **	M	Issue No.	50 (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_SP_2020_31965_58393.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	2.40	Rating **	M	Issue No.	39
LM End	2.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.783686 °	39.783686 °
				-121.875665 °	-121.875665 °
DWR ID	DWR_NA0003_04_s_2019_39				
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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Butte County Department of Public Works

Waterway	Bank	Unit Miles
Unit No. 05 Big Chico Diversion	Left	1.85

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2020 - 4/6/2020			
DWR Inspector	Makar Sokol			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/06/2020 04/06/2020	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 : SP_2020_NA0003_69_1_20200226_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	0.30	Rating **	C	Issue No.	3
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.761743 °	39.761743 °	
			-121.794447 °	-121.794447 °	
DWR ID	DWR_NA0003_05_f_2019_3				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen tree should be removed from the landside slope and toe.					

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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/06/2020 04/06/2020	Makar Sokol

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_2019_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.42	Rating **	C	Issue No.	11
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.761077 °	39.761077 °	
			-121.796576 °	-121.796576 °	
DWR ID	DWR_NA0003_05_f_2016_11				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	M	Issue No.	10
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.761844 °	39.763569 °	
			-121.797331 °	-121.802579 °	
DWR ID	DWR_NA0003_05_s_2019_10				
Comment Code					
FE : Fence					
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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/06/2020 04/06/2020	Makar Sokol

LM Start	0.89	Rating **	A/W	Issue No.	6
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.764397 °	39.764397 °	
			-121.803335 °	-121.803335 °	
DWR ID	DWR_NA0003_05_f_2014_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Trim branches 1-inch in diameter or less to keep bush from becoming an issue.					

No Photos

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 : SP_2020_NA0003_69_12_20200413_00007.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 : SP_2020_NA0003_69_13_20200226_00004.jpg



View of the damaged slope by foot traffic.

* 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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/06/2020 04/06/2020	Makar Sokol

LM Start	1.29	Rating **	A/W	Issue No.	7
LM End	1.84	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.769174 °	39.775320 °
				-121.807546 °	-121.814064 °
DWR ID	DWR_NA0003_05_s_2019_7				
Comment Code					
MA : Material					
Inspector Comment					
This section is a patrol road only.					

No Photos

LM Start	1.34	Rating **	M	Issue No.	18
LM End	1.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.769761 °	39.769761 °
				-121.808152 °	-121.808152 °
DWR ID	19300				
Comment Code					
Inspector Comment					
DS_ID:19300 FS_ID:41440 EP_NO: 13368 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No marker or indicator found. FIELD_STRUCT_DESC: 15-inch reinforced concrete sanitary sewer pipeline through the levee and under the Big Chico Creek Diversion Channel, 17 feet below the crown. (Plans to install a 15-inch sanitary sewer pipeline 3 feet beneath the thalweg of Big Chico Creek Diversion Channel authorized under Permit No. 13368, 1982 - Northeast Chico Sewer Assessment District). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/4/2014					

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**

Levee Inspection Report By Mile - Spring 2020

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/06/2020 04/06/2020	Makar Sokol

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

LM Start	1.56	Rating **	U	Issue No.	15
LM End	1.56	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.772190 °	39.772190 °	
			-121.810700 °	-121.810700 °	
DWR ID	DWR_NA0003_05_f_2017_15				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
The developer cut a paved road, gutter and large rocks in slope/toe of the levee. The board is in the process of resolving the encroachment.					

Photo 1 of 2 : SP_2020_NA0003_69_15_20200226_00005.jpg



View of the housing track road cutting into the levee toe.

LM Start	1.56	Rating **	U	Issue No.	15 (cont)
LM End	1.56	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2020_NA0003_69_15_20200226_00006.jpg



View of the housing track road cutting into the levees slope and toe.

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