

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

Sutter Maintenance Yard Tisdale Bypass

	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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles
Unit No. 01 Tisdale Bypass	Left	4.51

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/18/2020 - 3/18/2020			
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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/18/2020 03/18/2020	Makar Sokol

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_ST0009_01_s_2013_2				
Comment Code					
Inspector Comment					
Sutter Yard has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_ST0009_01_s_2013_4				
Comment Code					
Inspector Comment					
Sutter Yard has a stockpile of emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_ST0009_01_s_2013_5				
Comment Code					
Inspector Comment					
Sutter Yard had flood fight training October 2018.					

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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/18/2020 03/18/2020	Makar Sokol

LM Start	0.55	Rating **	A	Issue No.	10
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.028362 °	39.028362 °	
			-121.811825 °	-121.811825 °	
DWR ID	DWR_ST0009_01_s_2020_10				
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_ST0009_286_10_20200319_00021.jpg



View of the vegetation along the waterside slope. Spring 2020.

LM Start	2.07	Rating **	M	Issue No.	13
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.028165 °	39.028165 °	
			-121.783568 °	-121.783568 °	
DWR ID	DWR_ST0009_01_f_2019_13				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_286_13_20200226_00004.jpg



View of the erosion along the waterside slope. Fall 2019.

LM Start	2.07	Rating **	M	Issue No.	9
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.028165 °	39.028165 °	
			-121.783567 °	-121.783567 °	
DWR ID	DWR_ST0009_01_f_2019_9				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_286_9_20200226_00001.jpg



View of the erosion along the landside 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**

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/18/2020 03/18/2020	Makar Sokol

LM Start	2.14	Rating **	A/W	Issue No.	20 (cont)
LM End	2.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.028132 °	39.028132 °
				-121.782389 °	-121.782389 °
DWR ID	16591				

Photo 3 of 3 : UCIP_SP_2020_51484_64224.jpg



Pump house on LS toe.

LM Start	2.14	Rating **	A/W	Issue No.	21
LM End	2.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.028124 °	39.028124 °
				-121.782344 °	-121.782344 °
DWR ID	16856				

Photo 1 of 3 : UCIP_SP_2020_51485_64230.jpg



Slide gates on WS shoulder.

Comment Code					
Inspector Comment					
DS_ID:16856 FS_ID:51485 EP_NO: 10099 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/18/2016 Crossing appears to be in good condition. No noticeable issues to report.5/7/2015 Crossing is in good condition. No noticeable issues to report.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 4-foot by 7-foot concrete discharge tunnel through the levee, 38 feet below the crown. Slide gate in 4-foot by 15-foot concrete well on the waterside (WS) slope. Pump house located on the landside (LS) toe and wooden flap gates on the WS toe. (two 4-foot by 7-foot tunnel [HLM 2.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10099, 1955 - Reclamation District No. 1660). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 133, August 1955 (Station 1044+60)]. FS Date: 4/12/2017 9:20:37 AM					

* 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/18/2020 03/18/2020	Makar Sokol

LM Start	2.14	Rating **	A/W	Issue No.	21 (cont)
LM End	2.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.028124 °	39.028124 °
				-121.782344 °	-121.782344 °
DWR ID	16856				

Photo 2 of 3 : UCIP_SP_2020_51485_64229.jpg



Wooden flap gates on WS toe.

LM Start	2.14	Rating **	A/W	Issue No.	21 (cont)
LM End	2.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_51485_64228.jpg



Pump house on LS toe.

LM Start	2.16	Rating **	M	Issue No.	12
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.028137 °	39.028137 °
				-121.782020 °	-121.782020 °
DWR ID	DWR_ST0009_01_f_2016_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_286_12_20200319_00022.jpg



View of a rodent hole at the landside levee crown. 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/18/2020 03/18/2020	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	14
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.028145 °	39.028145 °	
			-121.780669 °	-121.780669 °	
DWR ID	DWR_ST0009_01_f_2019_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_286_14_20200226_00005.jpg



View of large animal burrows on the landside slope. Fall 2019.

LM Start	3.65	Rating **	M	Issue No.	22
LM End	3.65	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.027911 °	39.027911 °	
			-121.754224 °	-121.754224 °	
DWR ID	16590				
Comment Code					
Inspector Comment					
DS_ID:16590 FS_ID:51486 EP_NO: 14740 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/10/2017 Carsonite marker on WS missing. (DWR Sutter Yard- AFreitag)10/11/2016 Carsonite marker on WS shoulder is still missing.(DWR Sutter Yard - afreitag)4/18/2016 Carsonite marker on WS shoulder is missing.5/7/2015 Marker on WS shoulder missing.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Carsonite marker on WS shoulder missing and should be replaced. FIELD_STRUCT_DESC: 4-inch steel gas pipeline through the levee and under channel, 2.5 feet below the crown. Carsonite signs on both the landside (LS) and the waterside (WS) shoulders. Gas wells 200 feet off of the LS toe. (Permit No. 14740, 1988 - Nahama and Weagant Energy Co.) [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 4/12/2017 9:21:13 AM					

Photo 1 of 2 : UCIP_SP_2020_51486_76941.jpg



Close up of LS marker

* 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/18/2020 03/18/2020	Makar Sokol

LM Start	4.50	Rating **	M	Issue No.	23 (cont)
LM End	4.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.032801 °	39.032801 °
				-121.743360 °	-121.743360 °
DWR ID	16855				

Photo 3 of 3 : UCIP_SP_2020_51487_76942.jpg



Close up of LS marker

LM Start	4.50	Rating **	M	Issue No.	24
LM End	4.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.032801 °	39.032801 °
				-121.743360 °	-121.743360 °
DWR ID	16589				

Photo 1 of 3 : UCIP_SP_2020_51488_64233.jpg



Carsonite sign on LS slope.

Comment Code

Inspector Comment

DS_ID:16589
 FS_ID:51488
 EP_NO: 14455
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: 4/10/2017 LS marker still broken and there is no marker on the WS. (DWR Sutter Yard- AFreitag)10/11/2016 Carsonite marker on the LS is still broken.(DWR Sutter Yard - afreitag)4/18/2016 Carsonite marker on LS slope is broken off.5/7/2015 Crossing is in good condition. No noticeable issues to report.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Same as last inspection.
 FIELD_STRUCT_DESC: 2 of 2: 4.5-inch steel natural gas pipeline through the levee, 2 feet below the crown. Line goes across the Sutter Bypass and through both levees. Carsonite sign located on the landside (LS) slope. (Permit No. 14455, 1986 - Depco Inc.). [Additional Reference(s): DWR Levee Log, 1993].
 FS Date: 4/12/2017 9:24:35 AM

* 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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles
Unit No. 02 Tisdale Bypass	Right	4.43

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/18/2020 - 3/18/2020			
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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/18/2020 03/18/2020	Makar Sokol

LM Start	0.11	Rating **	M	Issue No.	1
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.023760 °	39.024559 °	
			-121.818875 °	-121.816344 °	
DWR ID	DWR_ST0009_02_s_ 2012_1				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_287_1_20200319_00017.jpg



View of the agricultural ditch along the landside toe. Spring 2020.

LM Start	0.69	Rating **	M	Issue No.	9
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025602 °	39.025657 °	
			-121.808527 °	-121.808027 °	
DWR ID	DWR_ST0009_02_s_ 2017_9				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_287_9_20200226_00005.jpg



View of the erosion along the landside toe from the County Road.

LM Start	0.97	Rating **	M	Issue No.	10
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025540 °	39.025572 °	
			-121.803272 °	-121.802990 °	
DWR ID	DWR_ST0009_02_s_ 2017_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_287_10_20200226_00006.jpg



View of the erosion along the landside toe from the County Road.

* 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/18/2020 03/18/2020	Makar Sokol

LM Start	1.14	Rating **	U	Issue No.	291 (cont)
LM End	1.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.025503 °	39.025503 °
				-121.800053 °	-121.800053 °
DWR ID	16594				

Photo 3 of 3 : UCIP_SP_2020_53047_64673.jpg



Concrete box, vent, and 54-inch steel pipe in WS toe.

LM Start	1.14	Rating **	M	Issue No.	13
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.025460 °	39.025460 °
				-121.800022 °	-121.800022 °
DWR ID	DWR_ST0009_02_f_2016_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion around the WS concrete vault.					

Photo 1 of 2 : SP_2020_ST0009_287_13_20200226_00007.jpg



View of the erosion along the concrete vault.

LM Start	1.14	Rating **	M	Issue No.	13 (cont)
LM End	1.14	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_ST0009_287_13_20200226_00008.jpg



Another view of the erosion along the concrete vault.

* 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/18/2020 03/18/2020	Makar Sokol

LM Start	1.17	Rating **	A/W	Issue No.	7
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025496 °	39.025496 °	
			-121.799523 °	-121.799523 °	
DWR ID	DWR_ST0009_02_s_ 2020_7				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_287_7_20200319_00018.jpg



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

LM Start	1.19	Rating **	A/W	Issue No.	290
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025490 °	39.025490 °	
			-121.799240 °	-121.799240 °	
DWR ID	DWR_ST0009_02_s_ 2015_290				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Sutter Yard needs to monitor the erosion along the berm.					

Photo 1 of 1 : SP_2020_ST0009_287_290_20200319_00019.jpg



View of the erosion along the waterside berm. Spring 2020.

LM Start	1.29	Rating **	A/W	Issue No.	4
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025478 °	39.025478 °	
			-121.797232 °	-121.797232 °	
DWR ID	DWR_ST0009_02_s_ 2013_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Sutter Yard needs to monitor the erosion.					

Photo 1 of 1 : SP_2020_ST0009_287_4_20200319_00020.jpg



View of the erosion along the waterside berm. 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/18/2020 03/18/2020	Makar Sokol

LM Start	1.48	Rating **	A/W	Issue No.	5
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025460 °	39.025446 °	
			-121.793815 °	-121.793347 °	
DWR ID	DWR_ST0009_02_s_2013_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Sutter Yard needs to monitor the erosion.					

Photo 1 of 1 : SP_2020_ST0009_287_5_20200226_00004.jpg



View of the erosion along the waterside berm.

LM Start	3.61	Rating **	C	Issue No.	11
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.025145 °	39.025145 °	
			-121.754130 °	-121.754130 °	
DWR ID	DWR_ST0009_02_s_2019_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree should be removed from the waterside toe.					

No Photos

LM Start	3.93	Rating **	A/W	Issue No.	2
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.025060 °	39.025060 °	
			-121.748178 °	-121.748178 °	
DWR ID	DWR_ST0009_02_f_2016_2				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_287_2_20200226_00002.jpg



View of the erosion along the waterside berm.

* 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

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/18/2020 03/18/2020	Makar Sokol

LM Start	4.09	Rating **	A/W	Issue No.	18
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.024912 °	39.024912 °	
			-121.745237 °	-121.745237 °	
DWR ID	DWR_ST0009_02_s_ 2020_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2020_ST0009_287_18_20200226_00009.jpg



View of the erosion along the waterside berm.

LM Start	4.20	Rating **	M	Issue No.	292
LM End	4.20	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.024079 °	39.024079 °	
			-121.743420 °	-121.743420 °	
DWR ID	23099				
Comment Code					
Inspector Comment					
DS_ID:23099 FS_ID:51491 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition but there is no permit on file. Photos of the markers were uploaded on 5/20/2013.(DWR Sutter Yard - afreitag)5/3/2016 Need photos of markers on both WS and LS. 4/18/2016 Crossing appears to be in good condition. No noticeable issues to report.5/7/2015 Crossing is in good condition. No noticeable issues to report.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/17/2012 Need to identify permit for crossing. FIELD_STRUCT_DESC: Steel natural gas pipeline of an unknown size through the levee, at an unknown depth. Markers visible on the landside (LS) shoulder and toe and the waterside (WS) shoulder and toe. No permit has been identified since the crossing was field discovered in 2012. FS Date: 4/12/2017 9:30:05 AM					

Photo 1 of 3 : UCIP_SP_2020_51491_64681.jpg



Marker on LS shoulder and toe

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