

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

Sutter Maintenance Yard Maintenance Area 0001

	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 Maintenance Area 0001

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Right	16.76

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/10/2020 - 3/10/2020			
DWR Inspector	Makar Sokol			
Accompanied By	Bob Duffey Sutter Maintenance Yard			

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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_MA0001_01_s_2016_19				
Comment Code					
Inspector Comment					
The LMA has emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		°	°	°
DWR ID	DWR_MA0001_01_s_2013_28				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	29
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		°	°	°
DWR ID	DWR_MA0001_01_s_2013_29				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2019.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	0.01	Rating **	N	Issue No.	92
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.214000 °	39.214000 °	
			-122.001077 °	-122.001077 °	
DWR ID	DWR_MA0001_01_f_2016_92				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.04	Rating **	U	Issue No.	2
LM End	0.23	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.213988 °	39.215198 °	
			-122.001537 °	-122.004775 °	
DWR ID	DWR_MA0001_01_s_2012_2				
Comment Code					
BU : Building					
Inspector Comment					
Multiple buildings and homes along the landside slope and toe through this area.					

Photo 1 of 1 : SP_2020_MA0001_297_2_20200312_00141.jpg



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

LM Start	0.09	Rating **	A/W	Issue No.	94
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.214217 °	39.214217 °	
			-122.002378 °	-122.002378 °	
DWR ID	DWR_MA0001_01_f_2016_94				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_94_20200226_00024.jpg



View of the slope instability along the landside 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	0.11	Rating **	U	Issue No.	63
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.214379 °	39.214379 °	
			-122.002791 °	-122.002791 °	
DWR ID	DWR_MA0001_01_f_2019_63				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_63_20200226_00012.jpg



View of the wooden stairs cut into the landside slope. Fall 2019.

LM Start	0.18	Rating **	M	Issue No.	73
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.214835 °	39.215076 °	
			-122.004055 °	-122.004537 °	
DWR ID	DWR_MA0001_01_s_2019_73				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.25	Rating **	N	Issue No.	97
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.215343 °	39.215343 °	
			-122.005100 °	-122.005100 °	
DWR ID	DWR_MA0001_01_f_2016_97				
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	0.38	Rating **	A/W	Issue No.	98
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.215878 °	39.215878 °	
			-122.007278 °	-122.007278 °	
DWR ID	DWR_MA0001_01_f_2016_98				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_98_20200226_00025.jpg



View of the slope instability along the waterside slope.

LM Start	0.41	Rating **	M	Issue No.	64
LM End	0.41	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.215869 °	39.215869 °	
			-122.007932 °	-122.007932 °	
DWR ID	DWR_MA0001_01_f_2019_64				
Comment Code					
MA : Material					
Inspector Comment					
Tires should be removed from the landside toe.					

No Photos

LM Start	0.53	Rating **	N	Issue No.	101
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.215808 °	39.215808 °	
			-122.009995 °	-122.009995 °	
DWR ID	DWR_MA0001_01_f_2017_101				
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	0.67	Rating **	U	Issue No.	7
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.216533 °	39.216680 °	
			-122.012512 °	-122.012907 °	
DWR ID	DWR_MA0001_01_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_7_20200312_00142.jpg



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

LM Start	0.68	Rating **	N	Issue No.	76
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.216562 °	39.216562 °	
			-122.012563 °	-122.012563 °	
DWR ID	DWR_MA0001_01_s_2019_76				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	M	Issue No.	59
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.217523 °	39.217523 °	
			-122.014862 °	-122.014862 °	
DWR ID	DWR_MA0001_01_s_2020_59				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs cut into the landside slope.					

Photo 1 of 1 : SP_2020_MA0001_297_59_20200312_00143.jpg



View of the stairs cut into the landside 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	0.83	Rating **	M	Issue No.	60
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.217560 °	39.217560 °	
			-122.015016 °	-122.015016 °	
DWR ID	DWR_MA0001_01_s_2020_60				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_60_20200312_00144.jpg



View of debris and wooden structures at the landside toe. Spring 2020.

LM Start	0.87	Rating **	M	Issue No.	79
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.217717 °	39.217717 °	
			-122.015717 °	-122.015717 °	
DWR ID	DWR_MA0001_01_s_2019_79				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_79_20200226_00016.jpg



View of the tree branches and limbs 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	1.17	Rating **	M	Issue No.	639 (cont)
LM End	1.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.221685 °	39.221685 °
				-122.015720 °	-122.015720 °
DWR ID	25564				

Photo 3 of 3 : UCIP_SP_2020_53078_78330.jpg



View of LS levee slope and irrigation ditch at levee toe.

LM Start	1.92	Rating **	M	Issue No.	640
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID	16430				

Comment Code

Inspector Comment

DS_ID:16430
 FS_ID:51852
 EP_NO: 9487
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/3/2017 WS end still partially plugged. (DWR Sutter Yard- AFreitag)10/24/2016 WS end is till partially plugged.(DWR Sutter Yard- AFreitag)4/25/2016 WS pipe end is still plugged with soil. Rest of the pipe appeared to be in good condition.4/20/2015 WS pipe end is plugged about 50% by soil.6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment.10/18/2012 Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt.
 FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gates in corrugated metal pipe (CMP) riser located on the waterside (WS) slope. Pipe daylights on the landside (LS). (36-inch pipe [HLM 1.97] authorized under Automatic Board Order (ABO) issued as Permit No. 9487, 1974 - Jimeno Rancho) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 103+18)].
 FS Date: 5/19/2017 1:20:29 PM

Photo 1 of 3 : UCIP_SP_2020_51852_70064.jpg



Overview of levee crown and slopes looking upstream towards crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	1.92	Rating **	M	Issue No.	640 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID	16430				

Photo 2 of 3 : UCIP_SP_2020_51852_70063.jpg



View of WS looking upstream at CMP riser on slope.

LM Start	1.92	Rating **	M	Issue No.	640 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_51852_70062.jpg



View of LS looking upstream at crossing.

* 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 Maintenance Area 0001

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	1.92	Rating **	M	Issue No.	641 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.231880 °	39.231880 °	
			-122.015432 °	-122.015432 °	
DWR ID	17565				

Photo 3 of 3 : UCIP_SP_2020_51853_70073.jpg



CMP pipe outlet deformed with over 50 percent blockage.

LM Start	2.21	Rating **	M	Issue No.	65
LM End	2.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.235710 °	39.235710 °	
			-122.013134 °	-122.013134 °	
DWR ID	DWR_MA0001_01_s_2020_65				
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**

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	2.23	Rating **	M	Issue No.	642
LM End	2.23	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.235993 °	39.235993 °	
			-122.012970 °	-122.012970 °	
DWR ID	16429				
Comment Code					
Inspector Comment					
<p>DS_ID:16429 FS_ID:51854 EP_NO: 9472 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 LS inlet partially plugged with soil. Some debris still present inside riser. (DWR Sutter Yard-AFreitag)10/24/2016 Debris still inside of riser.(DWR Sutter Yard-AFreitag)4/25/2016 Pipe still inside of riser and LS end plugged about 50% by soil.4/20/2015 Same as last inspection.6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/18/12 Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser. FIELD_STRUCT_DESC: 54-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. 48-inch CMP at landside (LS) slope. This crossing crosses the levee at an angle. (54-inch pipe [HLM 2.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9472, 1974 - Ballard) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 120+00)]. FS Date: 5/19/2017 1:23:34 PM</p>					

Photo 1 of 3 : UCIP_SP_2020_51854_70078.jpg



View of levee crown looking downstream at crossing. CMP riser located on WS shoulder.

LM Start	2.23	Rating **	M	Issue No.	642 (cont)
LM End	2.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_51854_70079.jpg



View of WS looking at slope and channel.

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

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Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	2.23	Rating **	M	Issue No.	642 (cont)
LM End	2.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID	16429				

Photo 3 of 3 : UCIP_SP_2020_51854_70077.jpg



View of outlet located at WS toe.

LM Start	2.25	Rating **	M	Issue No.	643
LM End	2.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	16428				

Photo 1 of 3 : UCIP_SP_2020_51855_70085.jpg



Overview of levee crown looking upstream at crossing.

Comment Code					
Inspector Comment					
<p>DS_ID:16428 FS_ID:51855 EP_NO: 9467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned.(DWR Sutter Yard- AFreitag)4/25/2016 Abandoned crossing. Unable to locate any WS and LS pipe ends.4/20/2015 Same as last inspection.6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/18/2012 Only riser visible. Debris and sediment blocking gate. Gate inside riser is buried and non-functional. If crossing is abandoned, owner needs to properly abandon. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0132 no culvert through the levee is visible here. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, approximately 12-15 feet below the crown. Slide gate in CM pipe riser on the waterside (WS) slope. No signs of inlet visible on the landside (LS). (24-inch pipe [HLM 2.31] authorized under Automatic Board Order (ABO) issued as Permit No. 9467, 1974 - Lovell E. Spurgeon) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 120+60)]. FS Date: 5/19/2017 1:48:04 PM</p>					

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	643 (cont)
LM End	2.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	16428				

Photo 2 of 3 : UCIP_SP_2020_51855_70084.jpg



View of WS slope and toe.

LM Start	2.25	Rating **	M	Issue No.	643 (cont)
LM End	2.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_51855_70083.jpg



Unable to locate WS outlet.

LM Start	2.53	Rating **	M	Issue No.	88
LM End	2.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.239764 °	39.239764 °
				-122.010397 °	-122.010397 °
DWR ID	DWR_MA0001_01_s_2019_88				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The fig tree should be removed from the landside shoulder.					

Photo 1 of 1 : SP_2020_MA0001_297_88_20200312_00145.jpg



View of the fig tree on the landside shoulder. 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	2.81	Rating **	M	Issue No.	644 (cont)
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410 °	39.243410 °
				-122.008393 °	-122.008393 °
DWR ID	16416				

Photo 2 of 3 : UCIP_SP_2020_51856_70094.jpg



View of concrete distribution box and headwall located on WS.

LM Start	2.81	Rating **	M	Issue No.	644 (cont)
LM End	2.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_51856_70090.jpg



Concrete distribution box located on WS 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	2.81	Rating **	M	Issue No.	645 (cont)
LM End	2.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243433 °	39.243433 °
				-122.008386 °	-122.008386 °
DWR ID	17567				

Photo 2 of 3 : UCIP_SP_2020_51857_70107.jpg



Concrete distribution box and headwall located on WS.

LM Start	2.81	Rating **	M	Issue No.	645 (cont)
LM End	2.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_51857_70103.jpg



Close up view of concrete distribution box located on WS shoulder.

LM Start	3.05	Rating **	U	Issue No.	5
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.246813 °	39.255976 °
				-122.008155 °	-122.009794 °
DWR ID	DWR_MA0001_01_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_5_20200226_00002.jpg



View of the concrete lined ditch 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	3.71	Rating **	M	Issue No.	648
LM End	3.71	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.256189 °	39.256189 °	
			-122.009957 °	-122.009957 °	
DWR ID	16424				
Comment Code					
Inspector Comment					
<p>DS_ID:16424 FS_ID:51861 EP_NO: 9490 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Abandoned- Needs to be done properly. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned. Needs a cover made for the LS distribution box.(DWR Sutter Yard- AFreitag)4/25/2016 ABANDONED crossing and should be abandoned properly. Concrete distribution box on LS is opened on top and could pose a safety hazard with falling.4/20/2015 Same as last inspection. 6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/19/2012 Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues logged. FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal irrigation pipe through the levee, approximately 12-15 feet below the crown. Concrete distribution box with pump system located on the landside (LS). Slide gate on the waterside (WS) slope--removed. 18-inch pipe visible on the LS inside 10-foot by 16 foot concrete box. (Automatic Board Order (ABO) issued as Permit No. 9490, 1974 - Charles T & Virginia W. Yerxa) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955 (Station 197+19)] FS Date: 5/19/2017 2:00:07 PM</p>					

Photo 1 of 3 : UCIP_SP_2020_51861_70125.jpg



Concrete distribution box located on LS.

LM Start	3.71	Rating **	M	Issue No.	648 (cont)
LM End	3.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_51861_70123.jpg



Abandoned pump system inside concrete structure located on LS.

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

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	3.71	Rating **	M	Issue No.	648 (cont)
LM End	3.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256189 °	39.256189 °
				-122.009957 °	-122.009957 °
DWR ID	16424				

Photo 3 of 3 : UCIP_SP_2020_51861_70122.jpg



Debris inside concrete structure located on LS.

LM Start	3.73	Rating **	M	Issue No.	102
LM End	3.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.256321 °	39.256321 °
				-122.010220 °	-122.010220 °
DWR ID	DWR_MA0001_01_s_2019_102				
Comment Code					
FW : Firewood					
Inspector Comment					
The firewood should be removed from the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_102_20200312_00146.jpg



View of the pile of firewood 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	3.77	Rating **	M	Issue No.	649 (cont)
LM End	3.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256203 °	39.256203 °
				-122.009940 °	-122.009940 °
DWR ID	16423				

Photo 3 of 3 : UCIP_SP_2020_51862_70126.jpg



WS-Inside view of CMP riser located on waterward slope.

LM Start	3.79	Rating **	M	Issue No.	650
LM End	3.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256606 °	39.256606 °
				-122.011115 °	-122.011115 °
DWR ID	17659				

No Photos

Comment Code

Inspector Comment

DS_ID:17659
 FS_ID:51863
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Not Found
 UCIP Comments: 5/3/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/24/2016 Unable to locate.(DWR Sutter Yard-AFreitag)4/25/2016 Unable to locate.4/20/2015 Same as last inspection.6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/19/2012 USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location.
 FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee at an unknown depth below the crown. Automatic drainage gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual 137, August 1955, (Station 150+20)].
 FS Date: 5/19/2017 2:04:17 PM

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	3.88	Rating **	M	Issue No.	50
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.257125 °	39.257125 °	
			-122.012648 °	-122.012648 °	
DWR ID	DWR_MA0001_01_f_2013_50				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.90	Rating **	M	Issue No.	103
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.257327 °	39.257327 °	
			-122.012914 °	-122.012914 °	
DWR ID	DWR_MA0001_01_s_2019_103				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.92	Rating **	M	Issue No.	66
LM End	3.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.257553 °	39.257553 °	
			-122.013063 °	-122.013063 °	
DWR ID	DWR_MA0001_01_f_2019_66				
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	3.95	Rating **	M	Issue No.	651
LM End	3.95	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.258073 °	39.258073 °	
			-122.013165 °	-122.013165 °	
DWR ID	16422				
Comment Code					
Inspector Comment					
DS_ID:16422 FS_ID:51864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Appears abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)10/24/2016 Appears to be abandoned.(DWR Sutter Yard- AFreitag)4/25/2016 Appears to be an abandoned crossing. 4/20/2015 Debrs is still blocking gate. Appears to be an abandoned crossing.6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris.10/19/2012 WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. FIELD_STRUCT_DESC: *ABANDONED* 24-inch drainage pipe of an unknown material through the levee, unknown depth below the crown. Walkway to slide gate on the waterside (WS) end. Walkway has been removed. Flap gate in concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/19/2017 2:05:36 PM					

Photo 1 of 3 : UCIP_SP_2020_51864_70137.jpg



View of levee crown looking upstream at crossing.

LM Start	3.95	Rating **	M	Issue No.	651 (cont)
LM End	3.95	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_51864_70139.jpg



View of WS slope with concrete structure.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	3.95	Rating **	M	Issue No.	651 (cont)
LM End	3.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °
DWR ID	16422				

Photo 3 of 3 : UCIP_SP_2020_51864_70138.jpg



View of slide gate located on WS.

LM Start	4.08	Rating **	M	Issue No.	62
LM End	4.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.259939 °	39.259939 °
				-122.012880 °	-122.012880 °
DWR ID	DWR_MA0001_01_s_2020_62				
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	4.65	Rating **	M	Issue No.	652 (cont)
LM End	4.65	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.266435 °	39.266435 °	
			-122.010943 °	-122.010943 °	
DWR ID	16421				

Photo 3 of 3 : UCIP_SP_2020_51865_70146.jpg



WS--Woody debris inside riser blocking gate.

LM Start	4.95	Rating **	M	Issue No.	110
LM End	4.95	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.264973 °	39.264973 °	
			-122.015473 °	-122.015473 °	
DWR ID	DWR_MA0001_01_s_2019_110				
Comment Code					
MA : Material					
Inspector Comment					
The materials 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	4.97	Rating **	M	Issue No.	653 (cont)
LM End	4.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.264924 °	39.264924 °
				-122.015887 °	-122.015887 °
DWR ID	16420				

Photo 3 of 3 : UCIP_SP_2020_51868_70148.jpg



View of WS-no visible appurtances associated with structure.

LM Start	4.97	Rating **	M	Issue No.	113
LM End	4.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.264922 °	39.264922 °
				-122.015955 °	-122.015955 °
DWR ID	DWR_MA0001_01_f_2016_113				
Comment Code					
EQ : Equipment					
Inspector Comment					
Move the equipment at least 10' away from the levee toe.					

No Photos

LM Start	4.98	Rating **	M	Issue No.	72
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.264888 °	39.264888 °
				-122.016066 °	-122.016066 °
DWR ID	DWR_MA0001_01_f_2019_72				
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	654 (cont)
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.272069 °	39.272069 °	
			-122.023240 °	-122.023240 °	
DWR ID	16419				

Photo 3 of 3 : UCIP_SP_2020_51869_70156.jpg



View of WS slope and access road. Slide gate is second crossing at this location.

LM Start	5.72	Rating **	M	Issue No.	655
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.272069 °	39.272069 °	
			-122.023240 °	-122.023240 °	
DWR ID	17569				

Photo 1 of 3 : UCIP_SP_2020_51870_70162.jpg



View of levee crown looking downstream at crossing.

Comment Code					
Inspector Comment					
DS_ID:17569 FS_ID:51870 EP_NO: 9476 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2107 Culvert has sediment build up in it- needs to be cleaned out. (DWR Sutter Yard- AFreitag)10/24/2016 LS outlets becoming overgrown with vegetation in the dtch.(DWR Sutter Yard- AFreitag)4/25/2016 WS entry still blocked and wingwalls still cracked.4/20/2015 WS entry still blocked and wingwalls still cracked.6/18/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/19/2012 blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal irrigation pipe (15 feet long) and concrete box culvert through the levee at an unknown depth below the crown. Slide gate located on the waterside (WS). Concrete headwall visible on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9476-1974, Howard C. & Nadine M. Ohliger) [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/23/2017 9:56:33 AM					

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	5.72	Rating **	M	Issue No.	655 (cont)
LM End	5.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID	17569				

Photo 2 of 3 : UCIP_SP_2020_51870_70161.jpg



View of levee crown looking upstream at crossing.

LM Start	5.72	Rating **	M	Issue No.	655 (cont)
LM End	5.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_51870_70160.jpg



Headwall and slide gate located on WS.

LM Start	5.77	Rating **	M	Issue No.	35
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.272773 °	39.272773 °
				-122.023290 °	-122.023290 °
DWR ID	DWR_MA0001_01_s_2012_35				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	5.77	Rating **	M	Issue No.	656 (cont)
LM End	5.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272829 °	39.272829 °
				-122.023282 °	-122.023282 °
DWR ID	16418				

Photo 3 of 3 : UCIP_SP_2020_51872_70171.jpg



Photo 1 of 2 inside view of CMP riser located on LS toe.

LM Start	6.01	Rating **	C	Issue No.	93
LM End	6.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.276238 °	39.276238 °
				-122.023467 °	-122.023467 °
DWR ID	DWR_MA0001_01_f_2019_93				
Comment Code					
TR : Tree or limb					
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.24	Rating **	U	Issue No.	657
LM End	6.24	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.279462 °	39.279462 °	
			-122.022461 °	-122.022461 °	
DWR ID	16446				

Comment Code

Inspector Comment

DS_ID:16446
 FS_ID:53049
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 10/1/2018 PVC pipe underneath the slide gate that is located inside CMP riser on WS shoulder was restored and blocks gate from closing. Sediment built up at the bottom of CMP riser. PVC pipe needs to be removed in order to properly close slide gate. (O.Yakimov - DWR UCIP)5/3/2017 Pipe leaked during the Jan/Feb 2017 high water event. Sand bags were placed at both the LS and WS outlets as well as down inside the standpipe to slow the water flow. The 5inch pvc was cut away but the slide gate could still not close fully. Suspect sediment build up was in the bottom of the stand pipe was blocking the gate. Inside of pipe should be cleaned out. (DWR Sutter Yard - AFreitag)10/24/2016 Pvc was back running through the crossing and blocking the screwgate. photo attached(DWR Sutter Yard - AFreitag)9/28/2016 Crossing has been downgraded from Urgent to Non-Urgent 5-inch PVC pipe was cut to allow the slide gate to close. Need to contact owner to remove unauthorized pipe to comply with Title 23. (DWR UCIP - omagana)4/25/2016 5 inch pvc pipe running through crossing has been cut out to allow the slide gate to close. (DWR Sutter Yard - afreitag)4/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times. (DWR Sutter Yard - afreitag)6/23/2014 Same as last inspection. There is no way to stop water from flowing though pipe during high water times. (DWR Sutter Yard - afreitag)12/17/2013 Same as last inspection. (DWR Sutter Yard - afreitag)7/18/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/19/2012 Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 36-inch steel (not corrugated metal, as referenced in O&M manual) drainage pipe through the levee, approximately 14-16 feet below levee crown. Slide gate in corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe also visible on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 331+31)]. FS Date: 10/1/2018 2:59:44 PM

Photo 1 of 3 : UCIP_SP_2020_53049_78240.jpg



View of levee crown at crossing.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.24	Rating **	U	Issue No.	657 (cont)
LM End	6.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID	16446				

Photo 2 of 3 : UCIP_SP_2020_53049_78243.jpg



View of CMP riser at WS shoulder.

LM Start	6.24	Rating **	U	Issue No.	657 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_53049_78244.jpg



Pipe at LS toe.

LM Start	6.25	Rating **	M	Issue No.	67
LM End	7.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.279561 °	39.294147 °
				-122.022449 °	-122.021449 °
DWR ID	DWR_MA0001_01_s_2020_67				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.25	Rating **	M	Issue No.	78
LM End	7.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.279561 °	39.294147 °	
			-122.022449 °	-122.021449 °	
DWR ID	DWR_MA0001_01_s_2020_78				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.38	Rating **	U	Issue No.	115
LM End	6.38	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.281425 °	39.281425 °	
			-122.022000 °	-122.022000 °	
DWR ID	DWR_MA0001_01_f_2016_115				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside slope and toe.					

Photo 1 of 1 : SP_2020_MA0001_297_115_20200226_00026.jpg



View of the prunings along the landside slope and 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**

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	658
LM End	6.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.281721 °	39.281721 °	
			-122.021894 °	-122.021894 °	
DWR ID	16425				
Comment Code					
Inspector Comment					
DS_ID:16425 FS_ID:51874 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Abandoned- needs to be done properly. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned(DWR Sutter Yard- AFreitag)4/25/2016 Abandoned crossing.4/20/2015 Same as last inspection.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/19/2012 Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible). FIELD_STRUCT_DESC: *ABANDONED* 72-inch corrugated metal (precast concrete) drainage pipe through the levee at an unknown depth below the crown. Structure is blocked on the waterside (WS) end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landside (LS) shoulder. Concrete headwall at both toes. WS headwall not found. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 339+74)]. FS Date: 5/23/2017 10:13:24 AM					

Photo 1 of 3 : UCIP_SP_2020_51874_70181.jpg



View of WS no structure features visible.

LM Start	6.40	Rating **	M	Issue No.	658 (cont)
LM End	6.40	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_51874_70180.jpg



Overview of levee crown looking downstream at crossing.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	658 (cont)
LM End	6.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.281721 °	39.281721 °
				-122.021894 °	-122.021894 °
DWR ID	16425				

Photo 3 of 3 : UCIP_SP_2020_51874_70179.jpg



View of structure located in LS.

LM Start	6.99	Rating **	M	Issue No.	659
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID	16427				

Photo 1 of 3 : UCIP_SP_2020_51875_70188.jpg



Overview of levee crown looking downstream at crossing.

Comment Code					
Inspector Comment					
DS_ID:16427 FS_ID:51875 EP_NO: 9482 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Abandoned- Needs to be done properly. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned.(DWR Sutter Yard- AFreitag)4/25/2016 Abandoned pipe. Needs to be properly plugged if it never gets used.4/20/2015 Same as last inspection. Structure is still buried.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/19/2012 Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 36-inch reinforced concrete irrigation pipe through the levee at approximately 18 feet below the crown. Wooden slide gates on the waterside (WS) end. Sliding metal gate noted in O&M manual. Concrete headwalls located on both WS and landside (LS). O&M manual structure reference is 4'-9" x 9'-6" concrete box culvert. (Automatic Board Order (ABO) issued as Permit No. 9482, 1974 - Elizabeth M. Farnsworth) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 370+90)]. FS Date: 5/23/2017 10:14:12 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.99	Rating **	M	Issue No.	659 (cont)
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID	16427				

Photo 2 of 3 : UCIP_SP_2020_51875_70187.jpg



WS-walkway and concrete headwall.

LM Start	6.99	Rating **	M	Issue No.	659 (cont)
LM End	6.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_51875_70190.jpg



View of crossing from WS side. WS blocked by sediment. 2 slide gates part of structure design.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	6.99	Rating **	M	Issue No.	660
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.290169 °	39.290169 °	
			-122.021532 °	-122.021532 °	
DWR ID	17570				
Comment Code					
Inspector Comment					
<p>DS_ID:17570 FS_ID:51876 EP_NO: 9482 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 WS slide gate was unburied and crossing was being used for irrigaton during site visit.(DWR Sutter Yard- AFreitag)10/24/2016 WS slide gate was unbruied and opened.(DWR Sutter Yard- AFreitag)4/25/2016 WS slide gate was unburied and opened allowing water to flow through to LS fields.4/20/2015 Structure is operational. WS slide gate was unburied allowing water to irrigate the fields. It gets reburied during highwater season.</p> <p>6/23/2014 Same as last inspection. Soli dug out again and water flowing through crossing.12/17/2013 WS screw gate was closed and buried by soil again.7/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment.10/19/2012 Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. FIELD_STRUCT_DESC: 2 of 2: 36-inch reinforced concrete irrigation pipe through the levee, approximately 18 feet below the crown. Wooden slide gates on the waterside (WS) end. Sliding metal gate noted in O&M manual. Concrete structure located on both WS and landside (LS). Inspector noticed that during 2015-2016 that this crossing is used in the spring and summer, and buried in the winter. O&M manual structure reference is 4'-9" x 9'-6" concrete box culvert. (Automatic Board Order (ABO) issued as Permit No. 9482-1974, Elizabeth M. Farnsworth) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 370+90)]. FS Date: 5/23/2017 10:15:43 AM</p>					

Photo 1 of 3 : UCIP_SP_2020_51876_70194.jpg



Overview of levee crown looking downstream at crossing.

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

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	7.27	Rating **	M	Issue No.	661 (cont)
LM End	7.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.294074 °	39.294074 °
				-122.021435 °	-122.021435 °
DWR ID	16456				

Photo 3 of 3 : UCIP_SP_2020_51877_70203.jpg



View of wooden sluice gates located on WS.

LM Start	7.33	Rating **	M	Issue No.	68
LM End	7.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.295054 °	39.295470 °
				-122.021531 °	-122.021729 °
DWR ID	DWR_MA0001_01_s_2020_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.36	Rating **	C	Issue No.	112
LM End	7.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.295470 °	39.295470 °
				-122.021606 °	-122.021606 °
DWR ID	DWR_MA0001_01_s_2019_112				
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 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	7.58	Rating **	M	Issue No.	662
LM End	7.58	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.297384 °	39.297384 °	
			-122.022989 °	-122.022989 °	
DWR ID	16455				
Comment Code					
Inspector Comment					
<p>DS_ID:16455 FS_ID:51878 EP_NO: 12334 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 No LS inlet found and no pump on WS- appears to have been abandoned. If so needs to be done properly. (DWR Sutter Yard- AFreitag)10/24/2016 Pump removed from WS pipe. Pipe end left open and should be capped.(DWR Sutter Yard- AFreitag)4/25/2016 No LS inlet found4/20/2015 Same as last inspection.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/30/2012 Siphon breaker housing unit is bent and has debris inside. LS outlet not found. FIELD_STRUCT_DESC: 10-inch asphalt coated steel irrigation pipe through the levee, 3 feet below the crown. Centrifugal pump on the waterside (WS) bank. Siphon breaker on the landside (LS) shoulder of the levee. (Permit No. 12334, 1978 - Jean James) [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/23/2017 10:29:58 AM</p>					

Photo 1 of 3 : UCIP_SP_2020_51878_70209.jpg



View of WS-no features on levee shoulder or slope.

LM Start	7.58	Rating **	M	Issue No.	662 (cont)
LM End	7.58	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_51878_70210.jpg



Pump located on WS bank.

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

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	8.92	Rating **	M	Issue No.	663 (cont)
LM End	8.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID	16454				

Photo 3 of 3 : UCIP_SP_2020_51879_70218.jpg



View of pump and standpipe located on LS.

LM Start	10.09	Rating **	M	Issue No.	664
LM End	10.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID	17656				

No Photos

Comment Code

Inspector Comment

DS_ID:17656
 FS_ID:51880
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Not Found
 UCIP Comments: 5/3/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/24/2016 Abandoned.(DWR Sutter Yard-AFreitag)4/25/2016 Unable to locate.4/20/2015 Unable to locate.6/23/2014 Unable to locate.7/18/2013 Same as last inspection. Unable to locate.
 FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee at an unknown depth below the crown. Automatic drainage gate on the outlet end of the pipe. (USACE, 1955). [Additional Reference(s): USACE Sacramento O&M Manual 137, August 1955, (Station 538+42)].
 FS Date: 5/23/2017 10:31:53 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	10.09	Rating **	M	Issue No.	665
LM End	10.09	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.328121 °	39.328121 °	
			-122.029262 °	-122.029262 °	
DWR ID	17655				
Comment Code					
Inspector Comment					
DS_ID:17655 FS_ID:51881 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 5/3/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/24/2016 Unable to locate.(DWR Sutter Yard-AFreitag)4/25/2016 Unable to locate.4/20/2015 Unable to locate.6/23/2014 Unable to locate.12/17/2013 Unable to locate.7/18/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Slide gate on the outlet end of the pipe. [Additional Reference(s): USACE Sacramento O&M Manual 137, August 1955, (Station 538+42)]. FS Date: 5/23/2017 10:32:43 AM					

No Photos

LM Start	10.13	Rating **	A/W	Issue No.	18
LM End	10.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.328697 °	39.328697 °	
			-122.029262 °	-122.029262 °	
DWR ID	DWR_MA0001_01_s_2012_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_18_20200226_00008.jpg



View of the erosion along the waterside of 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	667
LM End	10.21	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.329750 °	39.329750 °	
			-122.029602 °	-122.029602 °	
DWR ID	17571				
Comment Code					
Inspector Comment					
DS_ID:17571 FS_ID:53051 EP_NO: 1800 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/1/2018 Runoff erosion near pipe on WS is present. Pipe is in good condition. Need to verify new permit for the pipe. (O.Yakimov - DWR UCIP)5/3/2017 Rain runoff erosion still present near pipes on WS shoulder. (DWR Sutter Yard-AFreitag)10/24/2016 Ws erosion still present. Looks to be just from rain run off.(DWR Sutter Yard- AFreitag)4/25/2016 Erosion still present near the WS pipes. (DWR Sutter Yard - afreitag)4/20/2015 Erosion happening on WS shoulder near where pipes enter the levee. May just be from rain runoff. (DWR Sutter Yard - afreitag)6/23/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/17/2013 Same as last inspection. (DWR Sutter Yard - afreitag)7/18/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/30/2012 This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U". (DWR UCIP - omagana) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation pipe through the levee, approximately 3-4 feet below the crown. Siphon breaker located on the waterside (WS) end. (Permit No. 1800, 1959 - Jimeno Rancho) [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 10/1/2018 3:18:33 PM					

Photo 1 of 3 : UCIP_SP_2020_53051_70228.jpg



Overview of levee crown looking upstream at crossing.

LM Start	10.21	Rating **	M	Issue No.	667 (cont)
LM End	10.21	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_53051_70226.jpg



View of catwalk and pump station located on WS.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	667 (cont)
LM End	10.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID	17571				

Photo 3 of 3 : UCIP_SP_2020_53051_70232.jpg



Close-up of catwalk, control panel, and pump station located on WS.

LM Start	10.32	Rating **	C	Issue No.	636
LM End	10.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.331320 °	39.331320 °
				-122.029932 °	-122.029932 °
DWR ID	DWR_MA0001_01_f_2014_636				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the large tree and prunings 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	10.96	Rating **	C	Issue No.	638
LM End	10.96	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.340217 °	39.340217 °	
			-122.032605 °	-122.032605 °	
DWR ID	DWR_MA0001_01_f_2014_638				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

No Photos

LM Start	11.01	Rating **	M	Issue No.	69
LM End	11.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.340803 °	39.340803 °	
			-122.032868 °	-122.032868 °	
DWR ID	DWR_MA0001_01_s_2018_69				
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_MA0001_297_69_20200226_00013.jpg



View of the rodent holes along the landside 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**

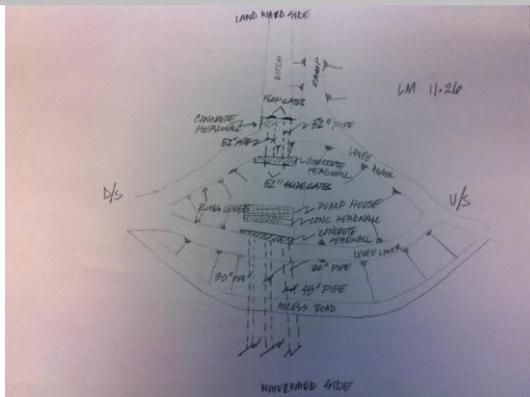
Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	11.01	Rating **	M	Issue No.	668
LM End	11.01	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.340867 °	39.340867 °	
			-122.032932 °	-122.032932 °	
DWR ID	16449				
Comment Code					
Inspector Comment					
<p>DS_ID:16449 FS_ID:53053 EP_NO: 187 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/1/2018 Pipe closed by steel plate at LS end. Plate is bolted to concrete headwall. CVFPB is working with owner to address issue. (O.Yakimov - DWR UCIP)5/3/2017 No changes have been made to this crossing since the NOV was sent out in January 2017. (DWR Sutter Yard- AFreitag)01/31/2017 Informal Notice of Violation (NOV) was sent out January 31, 2017 by DWR Flood Maintenance Office--owner will need to coordinate with CVFPB to remove, replace, or abandon pipe in-place. Owner has until Monday February 27th, 2017 to repond to DWR contact: Bryan Reniff. (refer to Official Notice for details). (DWR UCIP - O. Magana)10/24/2016 Appears abandoned. Slide gate needs to be dug out and fully closed to prevent water flow during high water.(DWR Sutter Yard- AFreitag)4/25/2016 Crossing appears to be abandoned.4/21/2015 Same as last inspection.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/18/2013 Same as last inspection.10/30/2012 Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate. FIELD_STRUCT_DESC: 1 of 2: 52-inch corrugated metal irrigation pipe, 48-inch measured, through the levee, approximately 15 feet below the crown. Slide gate on the waterside (WS) and flap gate on the landside (LS). Concrete headwalls at both WS and LS. This structure is associated with another abandoned structure located on the WS. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (two 30-inch pipes and one 48-inch pipe). (Original structure installed under Permit No. 187, 1921 - Compton-Delevan Irrigation District-Maxwell I.D., new pump and platform installed and old pump house removed under Permit No. 9183-1973, Maxwell Irrigation District) [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 10/1/2018 3:42:41 PM</p>					

Photo 1 of 3 : UCIP_SP_2020_53053_70267.jpg



Sketch of structure located at levee mile 11.26.

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

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	11.01	Rating **	M	Issue No.	668 (cont)
LM End	11.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340867 °	39.340867 °
				-122.032932 °	-122.032932 °
DWR ID	16449				

Photo 2 of 3 : UCIP_SP_2020_53053_70265.jpg



View of abandoned structure located on WS (inside ring levee).

LM Start	11.01	Rating **	M	Issue No.	668 (cont)
LM End	11.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53053_70260.jpg



Drain channel inside ring 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

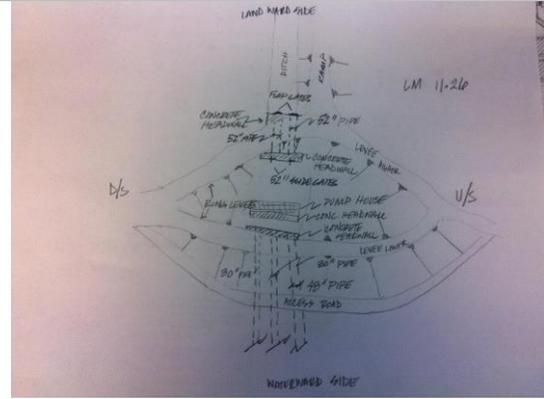
LM Start	11.02	Rating **	U	Issue No.	669
LM End	11.02	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.340971 °	39.340971 °	
			-122.032957 °	-122.032957 °	
DWR ID	17572				

Comment Code					

Inspector Comment

DS_ID:17572
 FS_ID:53052
 EP_NO: 187
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 10/1/2018 Pipe closed by steel plate at LS end. Plate is bolted to concrete headwall. CVFPB is working with owner to address issue. Crossing remains "Urgent" because of missing slide gate on WS. (O.Yakimov - DWR UCIP)5/3/2017 No changes have been made at this crossing since the NOV was sent out in January 2017. (DWR Sutter Yard- AFreitag)01/31/2017 Informal Notice of Violation (NOV) was sent out January 31, 2017 by DWR Flood Maintenance Office--owner will need to coordinate with CVFPB to remove, replace, or abandon pipe in-place. Owner has until Monday February 27th, 2017 to report to DWR contact: Bryan Reniff. (refer to Official Notice for details). (DWR UCIP - O. Magana)10/24/2016 Appears abandoned. Slide gate needs to be replaced or pipe end capped to prevent water flow during high water. (DWR Sutter Yard- AFreitag)4/25/2016 Crossing appears to be abandoned. Slide gate needs to be replaced or pipe needs to be plugged to prevent water flow during high water season. (DWR Sutter Yard - afreitag)4/21/2015 Same as last inspection. (DWR Sutter Yard - afreitag)6/23/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/17/2013 Same as last inspection. (DWR Sutter Yard - afreitag)7/18/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/30/2012 Missing positive closure device. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be abandoned properly. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate. (DWR UCIP - omagana)
 FIELD_STRUCT_DESC: 2 of 2: 52-inch corrugated metal irrigation pipe, 48-inch measured (2012), through the levee, approximately 15 feet below the crown. Slide gate on the waterside (WS) and flap gate on the landside (LS). Concrete headwalls at both ends. This structure is associated with another abandoned structure located on the WS. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (two 30-inch pipes and one 48-inch pipe). (Original structure installed under Permit No. 187, 1921 - Compton-Delevan Irrigation District-Maxwell I.D., new pump and platform installed and old pump house removed under Permit No. 9183-1973, Maxwell Irrigation District) [Additional Reference(s): DWR Levee Log, 1992].
 FS Date: 10/1/2018 3:35:20 PM

Photo 1 of 3 : UCIP_SP_2020_53052_70272.jpg



Sketch of structure through levee ring located at levee mile 11.26.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	11.02	Rating **	U	Issue No.	669 (cont)
LM End	11.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340971 °	39.340971 °
				-122.032957 °	-122.032957 °
DWR ID	17572				

Photo 2 of 3 : UCIP_SP_2020_53052_70276.jpg



Abandoned structure (multiple headwalls and pump structure) located near the lower levee (ring levee).

LM Start	11.02	Rating **	U	Issue No.	669 (cont)
LM End	11.02	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53052_70275.jpg



WS-Concrete headwall with multiple crossings (2-30 inch pipes and 1-48 inch pipe).

LM Start	11.08	Rating **	C	Issue No.	95
LM End	11.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.341700 °	39.342386 °
				-122.032447 °	-122.032308 °
DWR ID	DWR_MA0001_01_f_2019_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	11.19	Rating **	U	Issue No.	670 (cont)
LM End	11.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343263 °	39.343263 °
				-122.032152 °	-122.032152 °
DWR ID	17691				

Photo 2 of 3 : UCIP_SP_2020_53054_70326.jpg



View of concrete distribution box located on LS toe.

LM Start	11.19	Rating **	U	Issue No.	670 (cont)
LM End	11.19	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53054_70330.jpg



CMP risers located on WS berm. 18-inch pipe corresponds to downstream riser with slide gate. 24-inch pipe corresponds to upstream riser with slide gate.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	11.19	Rating **	U	Issue No.	671 (cont)
LM End	11.19	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.343283 °	39.343283 °	
			-122.032145 °	-122.032145 °	
DWR ID	17624				

Photo 2 of 3 : UCIP_SP_2020_53056_70324.jpg



View of concrete distribution box located on LS toe.

LM Start	11.19	Rating **	U	Issue No.	671 (cont)
LM End	11.19	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53056_70323.jpg



View of CMP risers located on WS 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	11.27	Rating **	M	Issue No.	672 (cont)
LM End	11.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344400 °	39.344400 °
				-122.031785 °	-122.031785 °
DWR ID	20584				

Photo 3 of 3 : UCIP_SP_2020_51900_70345.jpg



Maxwell Irrigation District Pump Station located on WS.

LM Start	11.74	Rating **	M	Issue No.	23
LM End	11.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.351155 °	39.351832 °
				-122.030443 °	-122.030295 °
DWR ID	DWR_MA0001_01_s_2012_23				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	11.76	Rating **	M	Issue No.	118
LM End	11.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.351487 °	39.351487 °
				-122.030409 °	-122.030409 °
DWR ID	DWR_MA0001_01_s_2019_118				
Comment Code					
FW : Firewood					
Inspector Comment					
The firewood 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	12.06	Rating **	M	Issue No.	673
LM End	12.06	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.355516 °	39.355516 °	
			-122.028700 °	-122.028700 °	
DWR ID	16457				
Comment Code					
Inspector Comment					
<p>DS_ID:16457 FS_ID:51901 EP_NO: 13449 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 5/3/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/24/2016 Unable to locate.(DWR Sutter Yard-AFreitag)4/25/2016 Unable to locate any markers fro this crossing.4/21/2015 Same as last inspection.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.12/2012 According to PG&E, their records indicate that pipe segment has been retired per dwgs. PG&E is finding additional information to confirm if crossing has been retired and method of retirement. Waiting for clarification from PG&E.11/2012 Buried line. No markers found; Need to contact PG&E to determine if crossing is still present. FIELD_STRUCT_DESC: *ABANDONED* 4-inch asphalt coated steel gas pipeline through the levee, 30-inches below the crown. PG&E crossing is known as Reference No. 167-6-13. (Permit No. 13449, 1983 - Pacific Gas and Electric Company [PG&E]) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Coordinates are approximate--crossing is abandoned according to PG&E records. [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/23/2017 11:48:52 AM</p>					

No Photos

LM Start	12.06	Rating **	M	Issue No.	4
LM End	13.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.355607 °	39.362600 °	
			-122.028707 °	-122.014497 °	
DWR ID	DWR_MA0001_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	13.47	Rating **	U	Issue No.	675
LM End	13.47	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.367643 °	39.367643 °	
			-122.015212 °	-122.015212 °	
DWR ID	16443				
Comment Code					
Inspector Comment					
<p>DS_ID:16443 FS_ID:53058 EP_NO: 9461 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/1/2018 Backwash erosion from ditch appears to be growing along LS toe. FSRP evaluation is recommended. (O. Yakimov - DWR UCIP)5/3/2017 Water was leaking from the LS distribution box during the Jan/Feb 2017 high water event. If this crossing is abandoned then it needs to be so properly. (DWR Sutter Yard- A Freitag)11/01/2016 Erosion/cavity collapse visible on LS toe. Slide gate inside concrete riser located on the WS is in the open position. Need to contact owner to confirm status of crossing and to determine cause of erosion on LS (pipe or concrete box might be leaking). (O. Magana - DWR UCIP)10/24/2016 Appears abandoned.(DWR Sutter Yard- A Freitag)4/25/2016 Slide gate in WS box visually appears to be closed as its stem is all the way down. Still cannot look into box to confirm 100% though. (A. Freitag - DWR Sutter Yard)4/21/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)6/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)7/22/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/30/2012 Unable to close positive closure device due to missing ladder-sluce gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 21.5 feet below the crown. Slide gate in concrete box on the waterside (WS) end. Pump on the bank. Tall concrete box located on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 9461, 1974 - Annie D. Propfe) [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 137, August 1955, (Station 710+82)]. FS Date: 10/1/2018 4:06:00 PM</p>					

Photo 1 of 3 : UCIP_SP_2020_53058_70377.jpg



View of LS looking downstream at crossing.

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

Levee Inspection Report By Mile - Spring 2020

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	13.47	Rating **	U	Issue No.	675 (cont)
LM End	13.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.367643 °	39.367643 °
				-122.015212 °	-122.015212 °
DWR ID	16443				

Photo 2 of 3 : UCIP_SP_2020_53058_70376.jpg



View of WS at crossing.

LM Start	13.47	Rating **	U	Issue No.	675 (cont)
LM End	13.47	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53058_70375.jpg



Concrete distribution box located on LS toe.

LM Start	13.48	Rating **	M	Issue No.	126
LM End	13.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.367832 °	39.367832 °
				-122.015130 °	-122.015130 °
DWR ID	DWR_MA0001_01_f_2016_126				
Comment Code					
EQ : Equipment					
Inspector Comment					
Shipping container should be moved 10 feet away from the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_126_20200226_00027.jpg



View of a shipping container 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	13.79	Rating **	M	Issue No.	676
LM End	13.79	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.371934 °	39.371934 °	
			-122.012945 °	-122.012945 °	
DWR ID	16442				
Comment Code					
Inspector Comment					
DS_ID:16442 FS_ID:51910 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned.(DWR Sutter Yard- AFreitag)4/25/2016 Abandoned crossing4/21/2015 Slide gate is still buried.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.10/30/2012 Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0457 for buried slide gate. FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee at approximately 15-18 feet below the crown. Slide gate on the waterside (WS) end. (Davis Ranches) [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/23/2017 12:02:52 PM					

Photo 1 of 2 : UCIP_SP_2020_51910_70379.jpg



Overview of levee crown looking downstream at crossing.

LM Start	13.79	Rating **	M	Issue No.	676 (cont)
LM End	13.79	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2020_51910_70380.jpg



WS-Slide gate buried-non-functional.

* 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 Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	14.28	Rating **	U	Issue No.	677 (cont)
LM End	14.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.378568 °	39.378568 °
				-122.013262 °	-122.013262 °
DWR ID	16441				

Photo 2 of 3 : UCIP_SP_2020_53059_70382.jpg



Concrete distribution box located on LS toe.

LM Start	15.07	Rating **	M	Issue No.	121
LM End	15.07	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2020_53059_70381.jpg



Inside view of concrete distribution box located on LS toe.

LM Start	15.07	Rating **	M	Issue No.	121
LM End	15.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.389884 °	39.389884 °
				-122.013231 °	-122.013231 °
DWR ID	DWR_MA0001_01_s_2019_121				
Comment Code					
EQ : Equipment					
Inspector Comment					
The materials and equipment 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	15.23	Rating **	M	Issue No.	122
LM End	15.23	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.391990 °	39.391990 °	
			-122.012377 °	-122.012377 °	
DWR ID	DWR_MA0001_01_s_2019_122				
Comment Code					
FE : Fence					
Inspector Comment					
The fence on the landside slope should be removed or the owner should apply for a permit.					

No Photos

LM Start	15.79	Rating **	M	Issue No.	85
LM End	15.79	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.399929 °	39.399929 °	
			-122.010028 °	-122.010028 °	
DWR ID	DWR_MA0001_01_s_2016_85				
Comment Code					
DE : Debris					
Inspector Comment					
The prunings, concrete and tires should be removed from the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_85_20200226_00018.jpg



View of prunings, concrete, and tires along the toe.

LM Start	15.84	Rating **	U	Issue No.	86
LM End	15.90	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.400601 °	39.401365 °	
			-122.009889 °	-122.009374 °	
DWR ID	DWR_MA0001_01_s_2016_86				
Comment Code					
BU : Building					
Inspector Comment					
Mobile homes and trailers are within the landside toe easement.					

Photo 1 of 1 : SP_2020_MA0001_297_86_20200226_00019.jpg



View of the mobile homes and trailers 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	15.86	Rating **	N	Issue No.	131
LM End	15.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.400875 °	39.400875 °	
			-122.009680 °	-122.009680 °	
DWR ID	DWR_MA0001_01_f_2016_131				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
About 7 stumps are present on the landside slope and toe.					

No Photos

LM Start	15.95	Rating **	U	Issue No.	87
LM End	15.95	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.401994 °	39.401994 °	
			-122.009352 °	-122.009352 °	
DWR ID	DWR_MA0001_01_s_2016_87				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_87_20200226_00020.jpg



View of a shed along the landside toe.

LM Start	15.96	Rating **	M	Issue No.	99
LM End	15.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.402184 °	39.402184 °	
			-122.009375 °	-122.009375 °	
DWR ID	DWR_MA0001_01_f_2019_99				
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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	15.99	Rating **	C	Issue No.	125
LM End	15.99	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.402626 °	39.402626 °	
			-122.009320 °	-122.009320 °	
DWR ID	DWR_MA0001_01_s_2019_125				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

No Photos

LM Start	16.00	Rating **	U	Issue No.	89
LM End	16.02	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.402756 °	39.403040 °	
			-122.009261 °	-122.009186 °	
DWR ID	DWR_MA0001_01_s_2016_89				
Comment Code					
BU : Building					
Inspector Comment					
Red house and metal fence runs along the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_89_20200226_00021.jpg



Corrugated metal fence obstructing visibility and access

LM Start	16.03	Rating **	U	Issue No.	90
LM End	16.03	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.403206 °	39.403206 °	
			-122.009116 °	-122.009116 °	
DWR ID	DWR_MA0001_01_s_2016_90				
Comment Code					
BU : Building					
Inspector Comment					
Metal sided building is at the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_90_20200226_00022.jpg



View of a corrugated metal building obstructing 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	16.06	Rating **	U	Issue No.	91
LM End	16.06	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.403565 °	39.403565 °	
			-122.009039 °	-122.009039 °	
DWR ID	DWR_MA0001_01_s_2016_91				
Comment Code					
BU : Building					
Inspector Comment					
Long, white metal building with several AC units is at the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_91_20200226_00023.jpg



View of a building obstructing access.

LM Start	16.08	Rating **	U	Issue No.	14
LM End	16.08	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.403930 °	39.403930 °	
			-122.008925 °	-122.008925 °	
DWR ID	DWR_MA0001_01_s_2012_14				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_14_20200312_00147.jpg



View of the building on the waterside slope. Spring 2020.

LM Start	16.10	Rating **	U	Issue No.	26
LM End	16.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.404135 °	39.404135 °	
			-122.008797 °	-122.008797 °	
DWR ID	DWR_MA0001_01_s_2012_26				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_26_20200312_00148.jpg



View of the building on the landside 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	16.10	Rating **	M	Issue No.	74
LM End	16.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.404255 °	39.404255 °	
			-122.008842 °	-122.008842 °	
DWR ID	DWR_MA0001_01_s_2015_74				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove the landscape from the landside slope and toe.					

Photo 1 of 1 : SP_2020_MA0001_297_74_20200312_00149.jpg



View of the landscaping along the landside slope and toe. Spring 2020.

LM Start	16.19	Rating **	M	Issue No.	71
LM End	16.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.405435 °	39.405435 °	
			-122.008598 °	-122.008598 °	
DWR ID	DWR_MA0001_01_f_2018_71				
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_MA0001_297_71_20200226_00014.jpg



View of the rodent holes along the landside slope.

LM Start	16.26	Rating **	M	Issue No.	134
LM End	16.26	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.406520 °	39.406520 °	
			-122.008635 °	-122.008635 °	
DWR ID	DWR_MA0001_01_f_2016_134				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_134_20200226_00029.jpg



View of cactus and fruit trees along the landside toe 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	16.31	Rating **	U	Issue No.	46
LM End	16.33	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.407225 °	39.407545 °	
			-122.008570 °	-122.008640 °	
DWR ID	DWR_MA0001_01_s_2012_46				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_46_20200312_00150.jpg



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

LM Start	16.34	Rating **	U	Issue No.	47
LM End	16.35	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.407670 °	39.407823 °	
			-122.008685 °	-122.008740 °	
DWR ID	DWR_MA0001_01_s_2012_47				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2020_MA0001_297_47_20200312_00151.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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	16.35	Rating **	A/W	Issue No.	9
LM End	16.58	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		39.407837 °	39.411111 °	
			-122.008763 °	-122.009238 °	
DWR ID	DWR_ST0010_02_f_2022_7				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 164.3 R Status: Eroding 2017 Field Notes: New erosion along entire site. Site History: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream.					

Photo 1 of 2 : SP_2020_MA0001_297_9_20200226_00005.jpg



USACE 2013 Photo #1

LM Start	16.35	Rating **	A/W	Issue No.	9 (cont)
LM End	16.58	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_MA0001_297_9_20200226_00006.jpg



USACE 2013 Photo #2

LM Start	16.37	Rating **	M	Issue No.	135
LM End	16.37	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.408073 °	39.408073 °	
			-122.009058 °	-122.009058 °	
DWR ID	DWR_MA0001_01_f_2016_135				
Comment Code					
DE : Debris					
Inspector Comment					
Debris, metal, and firewood should be removed from the landside toe.					

Photo 1 of 1 : SP_2020_MA0001_297_135_20200226_00030.jpg



View of metal sheets along the levee slope and debris and firewood 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

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	03/10/2020 03/10/2020	Makar Sokol

LM Start	16.49	Rating **	M	Issue No.	678
LM End	16.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.409758 °	39.409758 °	
			-122.009562 °	-122.009562 °	
DWR ID	16438				
Comment Code					
Inspector Comment					
<p>DS_ID:16438 FS_ID:51915 EP_NO: 2189 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/3/2017 Needs new markers if line is still active. (DWR Sutter Yard- AFreitag)10/24/2016 Abandoned.(DWR Sutter Yard- AFreitag)4/25/2016 Abandoned pipes.4/21/2015 Same as last inspection.11/3/2014 (DWR-Olivia) Need to contact owner to determine when markers will be placed. Also need to determine additional details--depth and alignment.6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection.12/2012 Crossing is an active line. Waiting for additional information from PG&E.11/2012 Buried line--no markers visible. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. FIELD_STRUCT_DESC: 2-inch gas line along landside (LS) toe from 12-inch gas line at levee mile 16.85 to the Princeton Rice Dryer. 2-inch pipeline installed longitudinally on the levee parallel to highway (HWY) 45 in a northerly direction from the point where the 2-10-inch pipes were installed in the levee. Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. (Permit No. 2189, 1958 - Pacific Gas & Electric [PG&E]) [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/23/2017 1:44:30 PM</p>					

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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