

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	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					
ES : Emergency Supplies & Equipment					
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					
OM : O&M Manuals					
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					
FP : Flood Preparedness & Training					
Inspector Comment					
The LMA recently completed flood fight training.					

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
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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	04/10/2024 04/10/2024	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	0.07	Rating **	M	Issue No.	38
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.214169°	39.215809°
				-122.002066°	-122.009201°
DWR ID	DWR_MA0001_01_s_2024_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

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

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	1.29	Rating **	M	Issue No.	39
LM End	3.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.223352°	39.255962°
				-122.015893°	-122.009714°
DWR ID	DWR_MA0001_01_s_2024_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



View of the vegetation along the waterside slope. Spring 2024.

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	1.42	Rating **	M	Issue No.	40							
LM End	1.49	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		39.225159°	39.225787°								
			-122.015600°	-122.014724°								
DWR ID	DWR_MA0001_01_s_2024_40											
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****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	136
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:62869 EP_NO: 9487 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 WS end still partially plugged. (A. Freitag - DWR Sutter Yard) 10/24/2016 WS end is till partially plugged. (A. Freitag - DWR Sutter Yard)04/25/2016 WS pipe end is still plugged with soil. Rest of the pipe appeared to be in good condition. (A. Freitag - DWR Sutter Yard)04/20/2015 WS pipe end is plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 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. (O. Magana - DWR UCIP) 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 (HLM 1.97).USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 103+18), listed as 36-inch pipe]. FS Date: 2/23/2021 9:20:38 AM					

Photo 1 of 3 : UCIP_SP_2024_62869_91151.jpg



Water-Side: View of levee slope looking from crown

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

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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	04/10/2024 04/10/2024	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	136 (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_2024_62869_91152.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.92	Rating **	U	Issue No.	136 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62869_91154.jpg



Water-Side: View of levee slope looking towards crown. Pipe end at levee toe

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	137
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				
Comment Code					
Inspector Comment					
DS_ID:17565 FS_ID:62871 EP_NO: 9487 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Ws end still partially plugged. (A. Freitag - DWR Sutter Yard)10/24/2016 Ws pipe end still plugged. (A. Freitag - DWR Sutter Yard)04/25/2016 WS pipe end still plugged with soil. rest of pipe appears in good condition. (A. Freitag - DWR Sutter Yard)04/20/2015 WS pipe end plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris.10/18/2012 WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around 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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2 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 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 (HLM 1.97).USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 103+18), listed as 36-inch pipe]. FS Date: 2/23/2021 9:23:26 AM					

Photo 1 of 3 : UCIP_SP_2024_62871_91162.jpg



Top of Levee: View of levee crown looking upstream

* Location LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	+ Issue Type Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	1.92	Rating **	U	Issue No.	137 (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 2 of 3 : UCIP_SP_2024_62871_91165.jpg



Land-Side: Pipe end at levee toe

LM Start	1.92	Rating **	U	Issue No.	137 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62871_91167.jpg



Water-Side: Pipe end at levee toe

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	138
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

DS_ID:16429
FS_ID:62872
EP_NO: 9472
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 02/23/2021 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Crossing appears abandoned. Soil blocks more than 80% of pipe end at landside toe. (O.Yakimov - DWR UCIP) 05/03/2017 LS inlet partially plugged with soil. Some debris still present inside riser. (A. Freitag - DWR Sutter Yard)10/24/2016 Debris still inside of riser. (A. Freitag - DWR Sutter Yard)04/25/2016 Pipe still inside of riser and LS end plugged about 50% by soil. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)10/18/2012 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. (O. Magana - DWR UCIP)
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. Pipe daylights at landside toe. This pipe crosses the levee at 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 (HLM 2.29). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 120+00), listed as 54-inch pipe].
FS Date: 2/23/2021 9:25:10 AM

Photo 1 of 3 : UCIP_SP_2024_62872_91172.jpg



Land-Side: View of levee crown looking from crown

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	2.23	Rating **	U	Issue No.	138 (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 2 of 3 : UCIP_SP_2024_62872_91173.jpg



Land-Side: Pipe inlet blocked with soil

LM Start	2.23	Rating **	U	Issue No.	138 (cont)
LM End	2.23	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62872_91169.jpg



Water-Side: Pipe end at levee toe

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	139
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				
Comment Code					
Inspector Comment					
DS_ID:16428 FS_ID:62873 EP_NO: 9467 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Geophysical study indicates possible presence of pipe through levee. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. Crossing appears abandoned. Pipe ends on both slopes are buried in soil. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/03/2017 Abanoned- needs to be done so properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. Unable to locate any WS and LS pipe ends. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)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. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 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 (HLM 2.31). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 120+60), listed as 24-inch pipe]. FS Date: 2/23/2021 9:30:51 AM					

Photo 1 of 3 : UCIP_SP_2024_62873_91177.jpg



Land-Side: View of levee slope looking from crown

* Location LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	+ Issue Type Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	2.25	Rating **	M	Issue No.	139 (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_2024_62873_91176.jpg



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

LM Start	2.25	Rating **	M	Issue No.	139 (cont)
LM End	2.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62873_91179.jpg



Land-Side: View of levee slope looking from toe. Pipe end not found

LM Start	2.25	Rating **	M	Issue No.	83
LM End	2.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.236232°	39.236232°
				-122.012797°	-122.012797°
DWR ID	DWR_MA0001_01_f_2022_83				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

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

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Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	2.60	Rating **	M	Issue No.	41
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.240492°	39.255619°	
			-122.009545°	-122.009553°	
DWR ID	DWR_MA0001_01_s _ 2024_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.05	Rating **	M	Issue No.	42
LM End	3.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.246766°	39.246766°	
			-122.008078°	-122.008078°	
DWR ID	DWR_MA0001_01_s _ 2024_42				
Comment Code					
T2 : 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**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	3.33	Rating **	U	Issue No.	142
LM End	3.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.250843°	39.250843°
				-122.007992°	-122.007992°
DWR ID	16426				

Comment Code

Inspector Comment

DS_ID:16426
FS_ID:80997
EP_NO: 9490
Repair Type: Urgent
EVAL Issue: 1, Pipe Integrity
Crossing Status: Found
UCIP Comments: 09/15/2023 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found severe pipe defects. Crossing will be monitored until funding becomes available to address the issues. (O. Yakimov - DWR UCIP)
02/23/2021 Record remains Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Bent stem has been repaired, pipe inlet and outfall cleared from sediment. (O.Yakimov - DWR UCIP)
05/03/2017 Sediment build up in WS pipe end. WS slide gate stem bent but it does not affect its operation. (A. Freitag - DWR Sutter Yard)10/24/2016 WS slide gate stem is still bent. (A. Freitag - DWR Sutter Yard)04/25/2016 WS slide gate is slightly bent. Rest of crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard) 04/20/2015 LS inlet still has some minor sediment build up. Needs to be cleaned. (A. Freitag - DWR Sutter Yard)06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up.10/18/2012 LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward toe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-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. (36-inch pipe [HLM 3.78] authorized under Automatic Board Order (ABO) issued as Permit No. 9490, 1955 - Charles & Virginia Yerxa). [Additional Reference(s): DWR Levee Log, 1992 (HLM 3.39). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 177+67), listed as 36-inch pipe].
FS Date: 2/23/2021 2:05:19 PM

Photo 1 of 3 : UCIP_SP_2024_80997_91330.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	3.33	Rating **	U	Issue No.	142 (cont)
LM End	3.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.250843°	39.250843°
				-122.007992°	-122.007992°
DWR ID	16426				

Photo 2 of 3 : UCIP_SP_2024_80997_91331.jpg



Water-Side: CMP riser on levee slope

LM Start	3.33	Rating **	U	Issue No.	142 (cont)
LM End	3.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_80997_91332.jpg



Land-Side: View of levee slope looking from crown

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	3.72	Rating **	M	Issue No.	145
LM End	3.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.256246°	39.256246°
				-122.009974°	-122.009974°
DWR ID	17659				
Comment Code					
Inspector Comment					
DS_ID:17659 FS_ID:62900 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. Updated coordinates of crossing to match location to O&M (STA 198+00). (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard) 10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard) 04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard) 06/18/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard) 12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) 10/19/2012 USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location. (O. Magana - DWR UCIP) 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, Unit 137, August 1955, Revised 29 December 2016, (STA 198+00), listed as 18-inch pipe]. FS Date: 2/23/2021 2:19:54 PM					

Photo 1 of 3 : UCIP_SP_2024_62900_91370.jpg



Top of Levee: View of levee crown looking upstream

* Location LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	+ Issue Type Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	3.72	Rating **	M	Issue No.	145 (cont)	
LM End	3.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.256246°	39.256246°	
				-122.009974°	-122.009974°	
DWR ID	17659					

Photo 2 of 3 : UCIP_SP_2024_62900_91371.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.72	Rating **	M	Issue No.	145 (cont)
LM End	3.72	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62900_91372.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.80	Rating **	M	Issue No.	43
LM End	16.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.256687°	39.411061°
				-122.011319°	-122.009724°
DWR ID	DWR_MA0001_01_s_2024_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	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	3.97	Rating **	M	Issue No.	45
LM End	4.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.258360°	39.266060°
				-122.013118°	-122.010038°
DWR ID	DWR_MA0001_01_s_2024_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.08	Rating **	M	Issue No.	48
LM End	7.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.264920°	39.293495°
				-122.017825°	-122.021373°
DWR ID	DWR_MA0001_01_s_2024_48				
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****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	150	
LM End	5.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.272400°	39.272400°	
				-122.023248°	-122.023248°	
DWR ID	17658					
Comment Code						
Inspector Comment						
DS_ID:17658						
FS_ID:62911						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue:						
Crossing Status: Not Found						
UCIP Comments: 02/23/2021 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)						
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 303+70), listed as 36-inch pipe].						
FS Date: 2/23/2021 3:28:33 PM						

LM Start	5.75	Rating **	M	Issue No.	150 (cont)
LM End	5.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2024_62911_91445.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2024_62911_91446.jpg



Water-Side: View of levee slope looking from crown

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	5.75	Rating **	M	Issue No.	150 (cont)
LM End	5.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.272400°	39.272400°
				-122.023248°	-122.023248°
DWR ID	17658				

Photo 3 of 3 : UCIP_SP_2024_62911_91447.jpg



Land-Side: View of levee slope looking from crown

* Location LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	+ Issue Type Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	6.24	Rating **	U	Issue No.	152
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:62913
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 3a, Flood Risk
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Urgent. 4-inch PVC sleeved through 36-inch steel pipe through levee. Screw gate can't be closed due to the PVC pipe. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
10/01/2018 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)05/03/2017 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. (A. Freitag - DWR Sutter Yard)10/24/2016 Pvc was back running through the crossing and blocking the screwgate. photo attached. (A. Freitag - DWR Sutter Yard)09/28/2016 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. (O. Magana - DWR UCIP)04/25/2016 5 inch pvc pipe running through crossing has been cut out to allow the slide gate to close. (A. Freitag - DWR Sutter Yard)04/20/2015 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. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. There is no way to stop water from flowing through pipe during high water times. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)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. (O. Magana - DWR UCIP)
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 (HLM 6.38). USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 331+31), listed as 36-inch pipe].

Photo 1 of 3 : UCIP_SP_2024_62913_91460.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

FS Date: 2/23/2021 3:47:40 PM

LM Start	6.24	Rating **	U	Issue No.	152 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2024_62913_91463.jpg



Water-Side: Screw gate and PVC pipe inside CMP riser

LM Start	6.24	Rating **	U	Issue No.	152 (cont)
LM End	6.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62913_91459.jpg



Land-Side: 4-inch PVC with shut off valve sleeved through steel pipe

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	153
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:62914
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 02/23/2021 Record remains Non-Urgent. Crossing appears abandoned. Headwall and pipe on waterside not found. Slide gate removed from concrete riser on landside shoulder. Riser is covered with steel plate bolted to concrete. Soil inside pipe crossing blocking more than 50% of cross section. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
05/03/2017 Abandoned- needs to be done properly. (A. Freitag - DWR Sutter Yard)10/24/2016 Abandoned. (A. Freitag - DWR Sutter Yard)04/25/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/20/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)06/23/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/17/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)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). (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 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. Sliding metal gate (referenced in O&M manual) in concrete well on the landside (LS) shoulder. Concrete headwall at both toes. WS headwall not found. [Additional Reference(s): DWR Levee Log, 1992 (HLM 6.55), listed as abandoned 72-inch drain pipe. USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 339+74), listed as 72-inch pipe].
FS Date: 2/23/2021 3:49:23 PM

Photo 1 of 3 : UCIP_SP_2024_62914_70181.jpg



View of WS no structure features visible.

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	6.40	Rating **	M	Issue No.	153 (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 2 of 3 : UCIP_SP_2024_62914_70180.jpg



Overview of levee crown looking downstream at crossing.

LM Start	6.40	Rating **	M	Issue No.	153 (cont)
LM End	6.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62914_70179.jpg



View of structure located in LS.

LM Start	7.71	Rating **	M	Issue No.	49
LM End	15.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297356°	39.398883°
				-122.025405°	-122.010099°
DWR ID	DWR_MA0001_01_s_2024_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	8.95	Rating **	M	Issue No.	44
LM End	8.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.311546°	39.311546°
				-122.030541°	-122.030541°
DWR ID	DWR_MA0001_01_s_2023_44				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

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_2024_MA0001_297_18_20240212_00009.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****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	156	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.329776°	39.329776°	
				-122.029575°	-122.029575°	
DWR ID	17655					
Comment Code						
Inspector Comment						
DS_ID:17655 FS_ID:62921 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 10/06/2021 After review of O&M Manual updated coordinated of potential crossing to match O&M (STA 538+42). Recommend conducting geophysical survey at updated location. (O.Yakimov - DWR UCIP) 02/24/2021 Record remains Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee at (39.328121 -122.09260). Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)04/20/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)07/18/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard) 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, Unit 137, August 1955, Revised 29 December 2016, (STA 538+42), listed as 36-inch pipe]. FS Date: 2/24/2021 10:43:23 AM						

Photo 1 of 3 : UCIP_SP_2024_62921_91502.jpg



Enter photo 1 description or comment here.

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	10.21	Rating **	M	Issue No.	156 (cont)
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.329776°	39.329776°
				-122.029575°	-122.029575°
DWR ID	17655				

Photo 2 of 3 : UCIP_SP_2024_62921_91503.jpg



Enter photo 2 description or comment here.

LM Start	10.21	Rating **	M	Issue No.	156 (cont)
LM End	10.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62921_91504.jpg



Enter photo 3 description or comment here.

* Location LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	+ Issue Type Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	10.32	Rating **	A/W	Issue No.	6
LM End	10.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.331447°	39.332716°
				-122.029440°	-122.029953°
DWR ID	DWR_MA0001_01_s_2022_6				
Comment Code					
Inspector Comment					
2018 Site ID: SAC 157.7 R					
Status: Eroding					
2018 Field Notes: Bank is heavily vegetated.					
Site History: 2004 - Slowly eroding but near vertical with no vegetation to hold it. 2005 - Erosion is close to levee toe but not into the levee section yet. 2010 - Some new toe scour. 2017 - Vertical face of clayey sand bank, new tree popout. Bank continues to erode.					

LM Start	10.32	Rating **	A/W	Issue No.	6 (cont)
LM End	10.41	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2024_MA0001_297_6_20240212_00003.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2024_MA0001_297_6_20240212_00004.jpg



USACE 2018 Erosion Photo #2

* Location LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	** Rating A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	+ Issue Type Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	12.53	Rating **	M	Issue No.	157
LM End	12.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.359810°	39.359810°
				-122.022247°	-122.022247°
DWR ID	17654				
Comment Code					
Inspector Comment					
DS_ID:17654 FS_ID:62946 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 02/24/2021 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 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.4/21/2015 Unable to locate.6/23/2014 Unable to locate.12/17/2013 Unable to locate.7/22/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 30-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, Unit 137, August 1955, Revised 29 December 2016, (STA 670+00), listed as 30-inch pipe]. FS Date: 2/24/2021 3:17:11 PM					

LM Start	12.53	Rating **	M	Issue No.	157 (cont)
LM End	12.53	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2024_62946_91650.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2024_62946_91651.jpg



Water-Side: View of levee slope looking from crown

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	12.53	Rating **	M	Issue No.	157 (cont)
LM End	12.53	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.359810°	39.359810°	
			-122.022247°	-122.022247°	
DWR ID	17654				

Photo 3 of 3 : UCIP_SP_2024_62946_91652.jpg



Land-Side: View of levee slope looking from crown

LM Start	13.61	Rating **	M	Issue No.	159
LM End	13.61	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.369523°	39.369523°	
			-122.014199°	-122.014199°	
DWR ID	17653				

Comment Code**Inspector Comment**

DS_ID:17653
FS_ID:62953
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Not Found
UCIP Comments: 05/23/2017 Record is Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (A.Freitag - DWR UCIP)
05/03/2017 Unable to locate. (A. Freitag - DWR Sutter Yard)
10/24/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/25/2016 Unable to locate. (A. Freitag - DWR Sutter Yard)
04/21/2015 Unable to locate. (A. Freitag - DWR Sutter Yard)
06/23/2014 Unable to locate. (A. Freitag - DWR Sutter Yard)
12/17/2013 Unable to locate. (A. Freitag - DWR Sutter Yard)
07/22/2013 Same as last inspection. Unable to locate. (A. Freitag - DWR Sutter Yard)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 137, August 1955, Revised 29 December 2016, (STA 727+65), listed as 36-inch pipe].
FS Date: 5/23/2017 12:01:00 PM

Photo 1 of 3 : UCIP_SP_2024_62953_91691.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	Makar Sokol

LM Start	13.61	Rating **	M	Issue No.	159 (cont)
LM End	13.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.369523°	39.369523°
				-122.014199°	-122.014199°
DWR ID	17653				

Photo 2 of 3 : UCIP_SP_2024_62953_91692.jpg



Water-Side: View of levee slope looking from crown

LM Start	13.61	Rating **	M	Issue No.	159 (cont)
LM End	13.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2024_62953_91693.jpg



Land-Side: View of levee slope looking from crown

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

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

**Flood Control Project Maintenance
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024****Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	04/10/2024 04/10/2024	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	2018 USACE Erosion Survey			39.407837°	39.411111°
				-122.008763°	-122.009238°
DWR ID	DWR_MA0001_01_s_2022_9				
Comment Code					
Inspector Comment					
2018 Site ID: SAC 164.3 R					
Status: Eroding					
2018 Field Notes: Minor new erosion throughout 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. 2017 - New erosion along entire site.					

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

Photo 1 of 2 : SP_2024_MA0001_297_9_20240212_00006.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2024_MA0001_297_9_20240212_00007.jpg



USACE 2018 Erosion Photo #2

* 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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