

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start		Rating **	A	Issue No.	<b>7</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0017_01_s_2013_7				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>8</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0017_01_s_2013_8				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>9</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0017_01_s_2013_9				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
The Sutter Yard completed flood fight training in November 2023.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	3.95	Rating **	M	Issue No.	36	
LM End	3.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.143792°	39.143792°	
				-122.904798°	-122.904798°	
DWR ID	844					
Comment Code						
Inspector Comment						
DS_ID:844 FS_ID:81417 EP_NO: 11463 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/23/2023 Crossing appears to be in good condition.10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width through this section is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing has been updated from No Action Needed to Non-Urgent; owner has changed [State owns structure]. (O. Magana - DWR UCIP)10/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/14/2016 crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/23/2015 No issues with pipe. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 New flap gate installed. No other issues with pipe. (A. Freitag - DWR Sutter Yard)12/13/2012 Flap gate broken in half and inoperable. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Timber walkway on the landside (LS) slope to a timber walkway to pump house mounted on piles in drainage ditch. (24-inch pipe [HLM 3.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11463, 1975 - Audrey Jones). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.99). USACE Sacramento O&M Manual, Unit 506 Part 2 (SAC506.2), August 1961, Revised 25 May 2011, (HLM 3.99), listed as 24-inch CMP]. FS Date: 10/23/2023 7:21:52 AM						

Photo 1 of 3 : UCIP\_FA\_2023\_81417\_117610.jpg



Overview of levee crown looking D/S towards pipe crossing.

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	3.95	Rating **	M	Issue No.	36 (cont)
LM End	3.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.143792°	39.143792°
				-122.904798°	-122.904798°
DWR ID	844				

Photo 2 of 3 : UCIP\_FA\_2023\_81417\_117605.jpg



WS view: Overview of WS.

LM Start	<b>3.95</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>3.95</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81417\_117608.jpg



LS view: Overview of landside.

LM Start	4.12	Rating **	M	Issue No.	30
LM End	4.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			39.142468°	39.142468°
				-122.902557°	-122.902557°
DWR ID	DWR_MA0017_01_f_2023_30				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
~15' crack with evidence of rodent activity on the crown					

Photo 1 of 1 : FA\_2023\_MA0017\_339\_30\_20231025\_00072.jpg



Cracking on the LS shoulder. Fall 2023

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>37</b>							
LM End	<b>4.13</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		39.142287°	39.142287°								
			-122.902436°	-122.902436°								
DWR ID	845											
Comment Code												
Inspector Comment												
DS_ID:845 FS_ID:81418 EP_NO: 11464 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/23/2023 Crossing appears to be in good condition. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width through this section is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing has been updated from No Action Needed to Non-Urgent; owner has changed [State maintains structure]. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (O. Magana - DWR UCIP)10/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/14/2016 crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/23/2015 No issues with pipe. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Bloody Island Pumping Plant] 1 of 2: 42-inch corrugated metal drainage pipe through the levee, 20.2 feet below the crown. Concrete headwall and discharge apron on the waterside (WS) shoulder. Three vertical pump units mounted on a reinforced concrete pump platform in drainage ditch at the landside (LS) toe. Flap gates in concrete discharge well on the LS. Combination flap and slide gate on a gravity pipe from drainage ditch into discharge well. (two 42-inch pipes [HLM 4.18] authorized under Automatic Board Order (ABO) issued as Permit No. 11464, 1975 - Lake County). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.17). USACE Sacramento O&M Manual, Unit 506, Part 1 (SAC506.1) April 1961, and Part 2 (SAC506.2) August 1961, Revised 25 May 2011, (HLM 4.18), two 42-inch CMP -- referred to as Bloody Island Pumping Plant]. FS Date: 10/23/2023 7:42:17 AM												

Photo 1 of 3 : UCIP\_FA\_2023\_81418\_117611.jpg



Overview of levee crown looking D/S towards pipe crossings.

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>4.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.142287°	39.142287°
				-122.902436°	-122.902436°
DWR ID	845				

Photo 2 of 3 : UCIP\_FA\_2023\_81418\_117612.jpg



WS view: Overview of WS with two positive closure devices in CMP risers on WS shoulder (DSID 845 right).

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>4.13</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81418\_117615.jpg



LS view: Overview of LS. Bloody Island Pumping Plant on LS shoulder and toe.

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	4.14	Rating **	M	Issue No.	38
LM End	4.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.142262°	39.142262°
				-122.902423°	-122.902423°
DWR ID	852				
Comment Code					
Inspector Comment					
DS_ID:852 FS_ID:81419 EP_NO: 11464 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/23//2023 Crossing appears to be in good condition. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width through this section is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing has been updated from No Action Needed to Non-Urgent; owner has changed [State maintains structure]. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (O. Magana - DWR UCIP)10/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/23/2015 No issues with pipe. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Bloody Island Pumping Plant] 2 of 2: 42-inch corrugated metal drainage pipe through the levee, 14.6 feet below the crown. Concrete headwall and discharge apron on the waterside (WS) shoulder. Three vertical pump units mounted on a reinforced concrete pump platform in drainage ditch at the landside (LS) toe. Flap gates in concrete discharge well on the LS. Combination flap and slide gate on a gravity pipe from drainage ditch into discharge well. (two 42-inch pipes [HLM 4.18] authorized under Automatic Board Order (ABO) issued as Permit No. 11464, 1975 - Lake County). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.17). USACE Sacramento O&M Manual, Unit 506, Part 1 (SAC506.1) April 1961, and Part 2 (SAC506.2) August 1961, Revised 25 May 2011, (HLM 4.18), two 42-inch CMP -- referred to as Bloody Island Pumping Plant]. FS Date: 10/23/2023 7:54:52 AM					

Photo 1 of 3 : UCIP\_FA\_2023\_81419\_117617.jpg



Overview of levee crown looking D/S towards pipe crossings.

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	4.14	Rating **	M	Issue No.	38 (cont)
LM End	4.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.142262°	39.142262°
				-122.902423°	-122.902423°
DWR ID	852				

Photo 2 of 3 : UCIP\_FA\_2023\_81419\_117618.jpg



WS view: Overview of WS with two positive closure devices in CMP risers on WS shoulder (DSID 852 left).

LM Start	<b>4.14</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>4.14</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81419\_117621.jpg



LS view: Overview of LS. Bloody Island Pumping Plant on LS shoulder and toe.

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

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**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	5.34	Rating **	M	Issue No.	40
LM End	5.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.127449°	39.127449°
				-122.893460°	-122.893460°
DWR ID	847				
Comment Code					
Inspector Comment					
DS_ID:847 FS_ID:81421 EP_NO: 11469 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 10/23/2023 Sack ring has deteriorated so thta only sack fill material is left. This may or may not still be an issue so code 11 still applies. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width ranges from 3 to 4-feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing remains Non-Urgent; sack ring built to control levee seepage has deteriorated and needs to be rebuilt or maintained. Pump station is maintained by RD2070. (O. Magana - DWR UCIP)10/19/2016 Sack ring still in place. (A. Freitag - DWR Sutter Yard)06/14/2016 Sack ring is still built up underneath the pipes. (A. Freitag - DWR Sutter Yard)04/23/2015 Sack ring is still built up underneath the pipes. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/13/2012 Flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage pipe through the levee, 5 feet below the crown. Drainage pumping plant on the landside (LS). Flap gate on the waterside (WS) end. (one 16-inch and one 36-inch pipes [HLM 5.43] authorized under Automatic Board Order (ABO) issued as Permit No. 11469, 1975 - RD 2070). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.43). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 5.43), listed as 16-inch pipe]. FS Date: 10/23/2023 8:11:16 AM					

Photo 1 of 3 : UCIP\_FA\_2023\_81421\_117627.jpg



Overview of levee crown looking D/S at location of crossing.

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



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Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	<b>5.34</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>5.34</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.127449°	39.127449°
				-122.893460°	-122.893460°
DWR ID	847				

Photo 2 of 3 : UCIP\_FA\_2023\_81421\_117628.jpg



LS View: view of 16-inch pipe still partially covered by sac ring at levee toe.

LM Start	<b>5.34</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>5.34</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81421\_117631.jpg



WS view: view of pipe outlet with flap gates. Gates appear to be in working condition but vegetation/water limits inspection access.

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	5.35	Rating **	M	Issue No.	41	
LM End	5.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.127451°	39.127451°	
				-122.893450°	-122.893450°	
DWR ID	853					
Comment Code						
Inspector Comment						
DS_ID:853 FS_ID:81422 EP_NO: 11469 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 10/23/2023 Crossing appears to be in good condition other than sack ring material still partially covering crossings, may still be a maintenance compliance issue. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width ranges from 3 to 4-feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing remains Non-Urgent; sack ring built to control levee seepage has deteriorated and needs to be rebuilt or maintained. Pump station is maintained by RD2070. (O. Magana - DWR UCIP)10/19/2016 Sack ring still in place. (A. Freitag - DWR Sutter Yard)06/14/2016 Sack ring is still built up underneath the pipes. (A. Freitag - DWR Sutter Yard)04/23/2015 Sack ring still built up underneath the pipes. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/13/2012 flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch steel drainage pipe through the levee, 5 feet below the crown. Flap gate and air vent on the waterside (WS) slope. (one 36-inch and one 16-inch pipes [HLM 5.43] authorized under Automatic Board Order (ABO) issued as Permit No. 11469, 1975 - RD 2070). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.43). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 5.43), listed as 36-inch pipe]. FS Date: 10/23/2023 8:21:45 AM						

Photo 1 of 3 : UCIP\_FA\_2023\_81422\_117632.jpg



Overview of levee crown looking D/S at location of crossing.

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

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Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.127451°	39.127451°
				-122.893450°	-122.893450°
DWR ID	853				

Photo 2 of 3 : UCIP\_FA\_2023\_81422\_117633.jpg



LS view: Overview of LS with 36-inch pipe visible entering pump house at LS toe.

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81422\_117635.jpg



WS view: overview of WS with pipe outlets visible.

<b>* Location</b> LS: Land Side    N/A: Not Applicable WS: Water Side CR: Crown	<b>** Rating</b> A: Acceptable M: Minimally Acceptable U: Unacceptable	N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma: Maintenance Deficiency Ob: Design & System Obsolescence En: Enforcement
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**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	5.78	Rating **	M	Issue No.	42
LM End	5.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.127612°	39.127612°
				-122.885520°	-122.885520°
DWR ID	848				
Comment Code					
Inspector Comment					
DS_ID:848 FS_ID:81423 EP_NO: 11457 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/23/2023 Still no wheel to operate slide gate, LS headwall and pipe found see 2023 pictures.10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width ranges from 3 to 4-feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing remains Non-Urgent; crossing has been abandoned, no riser lid or slide gate wheel are present. DWR DMP geophysical investigation found signals of potential metal pipe through this section of the levee. Owner will need coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. (O. Magana - DWR UCIP) 10/19/2016 No riser lid or slide gate wheel. (A. Freitag - DWR Sutter Yard)06/14/2016 No riser lid and no wheel to operate screw gate. (A. Freitag - DWR Sutter Yard)04/23/2015 No cover on riser and no wheel to operate gate. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Handle to operate gate was in place but still no cover on riser. (A. Freitag - DWR Sutter Yard)12/13/2012 No cover on CMP riser and no handle for actuating gate. This may or may not be an issue. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch drainage pipe under patrol road and through the levee, 13.5 feet below the crown. Concrete "U" shaped headwall on the landside (LS) end. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Riser unit is mounted on concrete base. (24-inch pipe [HLM 5.87] authorized under Automatic Board Order (ABO) issued as Permit No. 11457, 1975 - Crawford). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.87). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 5.87), listed as 24-inch pipe]. FS Date: 10/23/2023 8:31:09 AM					

Photo 1 of 3 : UCIP\_FA\_2023\_81423\_117640.jpg



Overview of levee crown looking D/S at location of crossing.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	5.78	Rating **	M	Issue No.	42 (cont)
LM End	5.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.127612°	39.127612°
				-122.885520°	-122.885520°
DWR ID	848				

Photo 2 of 3 : UCIP\_FA\_2023\_81423\_117642.jpg



WS view: inside CMP riser, missing handle to operate slide gate.

LM Start	<b>5.78</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>5.78</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81423\_117637.jpg



LS view: overview of LS, concrete headwall at levee toe.

LM Start	5.95	Rating **	M	Issue No.	31
LM End	5.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Rills			39.126369°	39.126369°
				-122.882782°	-122.882782°
DWR ID	DWR_MA0017_01_f_2023_31				
Comment Code					
E5 : Schedule repair of rills prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2023\_MA0017\_339\_31\_20231025\_00074.jpg



Rilling on the WS slope. Fall 2023

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	5.96	Rating **	U	Issue No.	43	
LM End	5.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.126322°		39.126322°
				-122.882764°		-122.882764°
DWR ID	849					
Comment Code						
Inspector Comment						
DS_ID:849 FS_ID:81424 EP_NO: 11467 Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 10/23/2023 Wood debris opening flap gate on WS leaves crossing vulnerable to flooding. Some erosion on WS due to runoff, not pipe related but should be monitored for maintenance. (J. Taylor - DWR UCIP) 09/25/2023 DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing has been updated from No Action Needed to Non-Urgent; need to audit record to confirm if ABO lists current owner for this structure. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (O. Magana - DWR UCIP)10/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/14/2016 Flap gate propped open. Will make sure its closed before flood season. (A. Freitag - DWR Sutter Yard)04/23/2015 Flap gate propped open. Not an issue at this time. Will close it before high water season. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Highland Canal Diversion Weir and Drainage] 1 of 2: 54-inch CIPP lined corrugated metal drainage pipe through the levee 11.5 feet below the crown. Highland Canal Diversion Weir and Drainage Structure on the landside (LS). Concrete headwall on both landside (LS) and waterside (WS) toe with flap gate on the WS toe. (two 54-inch pipes [HLM 6.05] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.05). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 6.05), listed as two 54-inch pipes]. FS Date: 10/23/2023 8:45:44 AM						

Photo 1 of 3 : UCIP\_FA\_2023\_81424\_117643.jpg



Overview of levee crown looking D/S.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	<b>5.96</b>	Rating **	U	Issue No.	<b>43 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.126322°	39.126322°
				-122.882764°	-122.882764°
DWR ID	849				

Photo 2 of 3 : UCIP\_FA\_2023\_81424\_117644.jpg



WS view: overview of WS with two 54-inch CIPP lined pipes visible on toe of levee.

LM Start	<b>5.96</b>	Rating **	U	Issue No.	<b>43 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81424\_117646.jpg



WS view: side view of wooden debris preventing flap gate on WS from closing.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	5.96	Rating **	U	Issue No.	44
LM End	5.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.126298°	39.126298°
				-122.882756°	-122.882756°
DWR ID	854				
Comment Code					
Inspector Comment					
DS_ID:854 FS_ID:81426 EP_NO: 11467 Repair Type: Urgent EVAL Issue: 3a, Flood Risk Crossing Status: Found UCIP Comments: 10/23/2023 Wood debris opening flap gate on WS leaves crossing vulnerable to flooding. Some erosion on WS due to runoff, not pipe related but should be monitored for maintenance. (J. Taylor - DWR UCIP)09/25/2023 DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing has been updated from No Action Needed to Non-Urgent; need to audit record to confirm if ABO lists current owner for this structure. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (O. Magana - DWR UCIP)10/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/14/2016 Flap gate propped open. Will make sure its closed before flood season. (A. Freitag - DWR Sutter Yard)04/23/2015 Flap gate propped open. Not an issue at this time. Will close it before high water season. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: [Highland Canal Diversion Weir and Drainage] 2 of 2: 54-inch CIPP lined corrugated metal drainage pipe through the levee, 11.5 feet below the crown. Highland Canal Diversion Weir and Drainage Structure on the landside (LS). Concrete headwall on both landside (LS) and waterside (WS) toe with flap gate on the WS toe. (two 54-inch pipes [HLM 6.05] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.05). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 6.05), listed as two 54-inch pipes]. FS Date: 10/23/2023 9:01:19 AM					

Photo 1 of 3 : UCIP\_FA\_2023\_81426\_117650.jpg



Overview of levee crown looking D/S.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	<b>5.96</b>	Rating **	U	Issue No.	<b>44 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.126298°	39.126298°
				-122.882756°	-122.882756°
DWR ID	854				

Photo 2 of 3 : UCIP\_FA\_2023\_81426\_117651.jpg



WS view: overview of WS with two 54-inch CIPP lined pipes visible on toe of levee.

LM Start	<b>5.96</b>	Rating **	U	Issue No.	<b>44 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81426\_117653.jpg



WS view: side view of wooden debris preventing flap gate on WS from closing.

LM Start	6.00	Rating **	M	Issue No.	32
LM End	6.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Rills			39.126029°	39.126029°
				-122.883371°	-122.883371°
DWR ID	DWR_MA0017_01_f_2023_32				
Comment Code					
E5 : Schedule repair of rills prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2023\_MA0017\_339\_32\_20231025\_00075.jpg



Rilling on the WS slope. Fall 2023

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	6.00	Rating **	U	Issue No.	47
LM End	6.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.126027°	39.126027°
				-122.883371°	-122.883371°
DWR ID	850				

**Comment Code**

**Inspector Comment**

DS\_ID:850  
FS\_ID:81430  
EP\_NO: 11467  
Repair Type: Urgent  
EVAL Issue: 2b, Levee Integrity  
Crossing Status: Found  
UCIP Comments: 10/23/2023 Erosion present on WS.10/09/2019  
The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width is more than 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing remains Urgent; WS erosion is still present along WS slope. This crossing has been modified. It appears that this pipe is conveying water from WS to LS and LS to WS. Recommend auditing record to determine current owner. (O. Magana - DWR UCIP)09/06/2018 Same as last inspection; WS erosion is still present so the crossing remains Urgent. (D. Sanoski - DWR UCIP).10/19/2016 WS erosion still present. (A. Freitag - DWR Sutter Yard)06/14/2016 WS erosion is still present. (A. Freitag - DWR Sutter Yard)04/23/2015 Same as last inspection. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/13/2012 The pipe and appurtenances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch steel drainage pipe through the levee, 2 feet below the crown. Butterfly valve on the landside (LS) shoulder. Pump and electrical panel, along with multiple valves and appurtenances, on the LS shoulder. (12-inch pipe [HLM 6.11] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - B. F. Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.11). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 6.11), listed as 12-inch pipe].  
FS Date: 10/23/2023 9:36:34 AM

Photo 1 of 3 : UCIP\_FA\_2023\_81430\_117669.jpg



Overview of levee crown looking D/S.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	6.00	Rating **	U	Issue No.	47 (cont)	
LM End	6.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.126027°	39.126027°	
				-122.883371°	-122.883371°	
DWR ID	850					

Photo 2 of 3 : UCIP\_FA\_2023\_81430\_117670.jpg



WS view: Overview of WS with erosion present.

LM Start	<b>6.00</b>	Rating **	U	Issue No.	<b>47 (cont)</b>
LM End	<b>6.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81430\_117671.jpg



LS view: overview of LS with pump station on shoulder.

LM Start	6.11	Rating **	M	Issue No.	33
LM End	6.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.126400°	39.126400°
				-122.885512°	-122.885512°
DWR ID	DWR_MA0017_01_f_2023_33				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Bank is sloughing in area near fallen tree.					

Photo 1 of 1 : FA\_2023\_MA0017\_339\_33\_20231025\_00076.jpg



Cracking/Sloughing near the down tree on the WS slope. Fall 2023

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	7.16	Rating **	M	Issue No.	48	
LM End	7.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.120083°	39.120083°	
				-122.886502°	-122.886502°	
DWR ID	851					
Comment Code						
Inspector Comment						
DS_ID:851 FS_ID:81432 EP_NO: 11467 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/23/2023 Vegetation limited inspection, 16-inch pipe not found. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing remains Non-Urgent; crossing has been abandoned. Owner will need coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. (O. Magana - DWR UCIP)10/19/2016 Abandoned- should be done so properly. (A. Freitag - DWR Sutter Yard)06/14/2016 Abandoned crossing. (A. Freitag - DWR Sutter Yard)04/23/2015 Same as last inspection. Pipe still needs to be properly abandoned. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/13/2012 Pipe should be properly abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage pipe through the levee, 8 feet below the crown. Drainage pumping plant on the landside (LS). Flap gate on the waterside (WS) end. Steel plate welded on end of pipe at LS toe. (one 16-inch and one 24-inch pipes [HLM 7.79] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.19). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 7.19), listed as 16-inch pipe]. FS Date: 10/23/2023 9:44:51 AM						

Photo 1 of 3 : UCIP\_FA\_2023\_81432\_117674.jpg



Overview of levee crown looking D/S.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	7.16	Rating **	M	Issue No.	48 (cont)
LM End	7.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120083°	39.120083°
				-122.886502°	-122.886502°
DWR ID	851				

Photo 2 of 3 : UCIP\_FA\_2023\_81432\_117675.jpg



WS view: overview of WS with heavy vegetation limiting inspection.

LM Start	<b>7.16</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>7.16</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81432\_117676.jpg



LS view: Overview of LS with 24-inch pipe visible but dense vegetation limit inspection of 16-inch pipe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	7.16	Rating **	M	Issue No.	49
LM End	7.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120069°	39.120069°
				-122.886484°	-122.886484°
DWR ID	855				
Comment Code					
Inspector Comment					
DS_ID:855 FS_ID:81433 EP_NO: 11467 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/23/2023 Pipe structure is deteriorating, pipe needs to be removed or abandoned according to Title 23 requirements. (J. Taylor - DWR UCIP)10/09/2019 The levee is maintained by DWR Sutter Yard. The State is currently working on purchasing adjacent land to eventually pursue the de-activation of this levee. Levee crown width is about 12 feet. The UCIP inspection was completed with DWR Inspector, L. Dial, and DWR Sutter Yard Supervisor, B. Reniff. Crossing remains Non-Urgent; crossing has been abandoned. Owner will need coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. (O. Magana - DWR UCIP)10/19/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)06/14/2016 Crossing appears to be in good condition. (A. Freitag - DWR Sutter Yard)04/23/2015 No issues seen with pipe. (A. Freitag - DWR Sutter Yard)07/03/2014 Same as last inspection. (A. Freitag - DWR Sutter Yard)08/02/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard)12/23/2013 Same as last inspection. (A. Freitag - DWR Sutter Yard) FIELD_STRUCT_DESC: 2 of 2: 24-inch steel drainage pipe through the levee, 8 feet below the crown. Drainage pumping plant on the landside (LS). Flap gate on the waterside (WS) end. (one 16-inch and one 24-inch pipes [HLM 7.79] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.19). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 7.19), listed as 24-inch pipe]. FS Date: 10/23/2023 9:49:26 AM					

Photo 1 of 3 : UCIP\_FA\_2023\_81433\_117678.jpg



Overview of levee crown looking D/S.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2023**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/23/2023 10/23/2023	Marvin Marshall

LM Start	7.16	Rating **	M	Issue No.	49 (cont)
LM End	7.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120069°	39.120069°
				-122.886484°	-122.886484°
DWR ID	855				

Photo 2 of 3 : UCIP\_FA\_2023\_81433\_117679.jpg



WS view: overview of WS with heavy vegetation limiting inspection.

LM Start	<b>7.16</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>7.16</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2023\_81433\_117680.jpg



LS view: Overview of LS with 24-inch pipe visible and pump house on levee toe.

LM Start	7.19	Rating **	M	Issue No.	34
LM End	7.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Rills			39.119670°	39.119554°
				-122.886027°	-122.885885°
DWR ID	DWR_MA0017_01_f_2023_34				
Comment Code					
E5 : Schedule repair of rills prior to the next inspection.					
Inspector Comment					
Repair rilling/erosion on the WS slope.					

Photo 1 of 1 : FA\_2023\_MA0017\_339\_34\_20231025\_00077.jpg



Erosion on the WS slope. Fall 2023

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