

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

MA0012 Sutter Maintenance Yard Maintenance Area 0012	Overall LMA Rating	Total LMA Miles							
	<b>A</b>	<b>11.06</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					0.05	2.37			
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.07				
DRAFT DWR UCIP LMA Responsibility									
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.12	2.37	0.00	0.00	

  

Unit No. 01 Colusa Drain LB MA0012	Overall Unit Rating	Total Unit Miles							
	<b>A</b>	<b>11.06</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					0.05	2.37			
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.07				
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.12	2.37	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2019 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0012**

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

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles
Unit No. 01 Colusa Drain	Left	11.06

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/8/2019 - 4/8/2019		10/9/2019 - 10/9/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	<b>12</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_MA0012_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>13</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_MA0012_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>14</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_MA0012_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2017.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>0.24</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.035889°	39.035889°
				-121.996882°	-121.996882°
DWR ID	17145				
Comment Code					
Inspector Comment					
DS_ID:17145 FS_ID:51778 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/2/2017 Abandoned- needs to be done so properly. Only the LS standpipe was found. (DWR Sutter Yard-AFreitag)10/17/2016 Abandoned (DWR Sutter Yard-AFreitag)5/31/2016 Abandoned- only the LS concrete standpipe was found.5/4/2015 Abandoned crossing.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Need to verify proper abandonment of pipe. FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe through the levee, 3 feet below the crown. Open on the waterside (WS) end. 3-foot by 6-foot concrete well on the WS berm. Siphon breaker in 24-inch riser located on the landside (LS) shoulder. 36-inch concrete standpipe on the LS toe. The only item identified is the 36-inch standpipe on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9381, 1974 - F. L. Tribble). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.22, Drawing No. 50-4-3081)]. FS Date: 5/2/2017 1:37:36 PM					

Photo 1 of 1 : UCIP\_FA\_2019\_51778\_68970.jpg



36-inch concrete riser on LS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>1.38</b>	Rating **	A/W	Issue No.	<b>42</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.051280 °	39.051280 °	
			-122.002981 °	-122.002981 °	
DWR ID	17147				
Comment Code					
Inspector Comment					
<p>DS_ID:17147                      FS_ID:51780                      EP_NO: 9382                      Repair Type: No Action Needed                      Crossing Status: Found                      UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. This is a gravity for the LS.(DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Crossing is in good condition. No issues.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.                      FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate, concrete headwall, and grouted cobble spillway on the waterside (WS). Concrete headwall on the landside (LS). (24-inch pipe [HLM 1.40] authorized under Automatic Board Order (ABO) issued as Permit No. 9382, 1974 - Olen C. Bober). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 1.4)].                      FS Date: 5/2/2017 1:40:20 PM</p>					

Photo 1 of 3 : UCIP\_FA\_2019\_51780\_68977.jpg



Intake on LS toe.

LM Start	<b>1.38</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_51780\_68976.jpg



Outlet at WS toe.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>1.38</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.051280 °	39.051280 °	
			-122.002981 °	-122.002981 °	
DWR ID	17147				
Comment Code					
Inspector Comment					
DS_ID:17147 FS_ID:51780 EP_NO: 9382 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. This is a gravity for the LS.(DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Crossing is in good condition. No issues.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate, concrete headwall, and grouted cobble spillway on the waterside (WS). Concrete headwall on the landside (LS). (24-inch pipe [HLM 1.40] authorized under Automatic Board Order (ABO) issued as Permit No. 9382, 1974 - Olen C. Bober). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 1.4)]. FS Date: 5/2/2017 1:40:20 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_51780\_68975.jpg



Concrete U shaped headwall on LS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	1.51	Rating **	M	Issue No.	43 (cont)	
LM End	1.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.053074 °	39.053074 °	
				-122.003157 °	-122.003157 °	
DWR ID	17148					
Comment Code						
Inspector Comment						
<p>DS_ID:17148                  FS_ID:51781                  EP_NO: 9382                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 5/2/2017 WS is being overgrown with vegetation. The rest of the crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Vegetation is overgrowing the WS head wall near the pump. The rest of the crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Crossing appears in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.                  FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump, butterfly valve, and concrete headwall at the edge of the bank. Bank cobble revetted 10 feet on both the waterside (WS) and the landside (LS) of installation. 18-inch polyvinyl chloride (PVC) standpipe on the LS berm. Siphon breaker in 18-inch concrete riser on the LS shoulder. Service pole at the edge of the bank. (24-inch [HLM 1.53] authorized under Automatic Board Order (ABO) issued as Permit No. 9382, 1974 - Olen C. Bober) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 1.53)].                  FS Date: 5/2/2017 1:47:19 PM</p>						

Photo 3 of 3 : UCIP\_FA\_2019\_51781\_68979.jpg



Pump and concrete headwall at WS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.055711 °	39.055711 °
				-122.003252 °	-122.003252 °
DWR ID	17149				
Comment Code					
Inspector Comment					
<p>DS_ID:17149                  FS_ID:51782                  EP_NO: 9382                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 5/2/2017 WS flapgate buried by sediment. Needs to be dug out. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. This is a gravity drain for the LS. (DWR Sutter Yard- AFreitag)5/31/2016 LS inlets was partially plugged. WS flapgate was clear of sediment and abale to operate properly.5/4/2015 WS flapgate is blocked by sediment and unable to open. LS inlet is plugged by silt and wood chippings. Needs to be cleaned.6/17/2014 Flap gate was cleaned out and is fully closed. LS inlet still partially full of soil.12/16/2013 Same as last inspection. WS flapgate still needs to be cleaned out and shut.7/16/2013 Same as last inspection. Make sure flapgate is closed before highwater season.10/11/2012 Inlet on LS filled partially with soil. Outlet blocked with soil and the flap gate wont close.                  FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate, concrete headwall, and grouted cobble spillway on the waterside (WS). Concrete headwall on the landside (LS). (24-inch pipe [HLM 1.72] authorized under Automatic Board Order (ABO) issued as Permit No. 9382, 1974 - Olen C. Bober). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 1.72)].                  FS Date: 5/2/2017 1:50:52 PM</p>					

Photo 3 of 3 : UCIP\_FA\_2019\_51782\_68982.jpg



Concrete U shaped headwall at LS inlet.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>3.15</b>	Rating **	A/W	Issue No.	<b>47 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.074151 °	39.074151 °
				-122.014960 °	-122.014960 °
DWR ID	17153				
Comment Code					
Inspector Comment					
<p>DS_ID:17153                  FS_ID:51788                  EP_NO: 9384                  Repair Type: No Action Needed                  Crossing Status: Found                  UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Crossing appears in good condition. No noticeable issues.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.                  FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16 feet below the crown. Flap gate, concrete headwall, and grouted cobble spillway on the waterside (WS). Concrete headwall on the landside (LS). (24-inch pipe [HLM 3.22] authorized under Automatic Board Order (ABO) issued as Permit No. 9384, 1974 - William D. Struckmeyer) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 3.22)].                  FS Date: 5/2/2017 2:04:40 PM</p>					

Photo 2 of 3 : UCIP\_FA\_2019\_51788\_69001.jpg



Drainage Swale on WS toe.

LM Start	<b>3.15</b>	Rating **	A/W	Issue No.	<b>47 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_51788\_69000.jpg



Concrete headwall and flap gate at WS toe.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>4.15</b>	Rating **	A/W	Issue No.	<b>49 (cont)</b>
LM End	<b>4.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.088561 °	39.088561 °
				-122.015179 °	-122.015179 °
DWR ID	17168				
Comment Code					
Inspector Comment					
DS_ID:17168 FS_ID:51791 EP_NO: 9388 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 27.5 feet below the crown. Flap gate, concrete headwall, and grouted cobble spillway located on the waterside (WS). Concrete headwall located on the landside (LS). (24-inch pipe [HLM 4.25] authorized under Automatic Board Order (ABO) issued as Permit No. 9388, 1974 - Pauline A. Wallace). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 4.25)]. FS Date: 5/2/2017 2:08:40 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_51791\_69012.jpg



Concrete U shaped headwall and flap gate on WS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>4.22</b>	Rating **	A/W	Issue No.	<b>50</b>
LM End	<b>4.22</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.089551 °	39.089551 °	
			-122.015241 °	-122.015241 °	
DWR ID	17156				
Comment Code					
Inspector Comment					
DS_ID:17156 FS_ID:51792 EP_NO: 9388 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition. 5/4/2015 Corssing appears to be in good condition. No noticeable issues to report. 6/17/2014 Same as last inspection. 12/16/2013 Same as last inspection. 7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.2 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pump on a 60-inch concrete standpipe at the landside (LS) toe. (24-inch pipe [HLM 4.32] authorized under Automatic Board Order (ABO) issued as Permit No. 9388, 1974 - Pauline A. Wallace). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 4.32)]. FS Date: 5/2/2017 2:20:21 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_51792\_69017.jpg



Pump on Concrete riser at LS toe.

LM Start	<b>4.22</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>4.22</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_51792\_69016.jpg



Pipe through levee at LS slope.

<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**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>4.22</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>4.22</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.089551 °	39.089551 °
				-122.015241 °	-122.015241 °
DWR ID	17156				
Comment Code					
Inspector Comment					
<p>DS_ID:17156                  FS_ID:51792                  EP_NO: 9388                  Repair Type: No Action Needed                  Crossing Status: Found                  UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.                  FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.2 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pump on a 60-inch concrete standpipe at the landside (LS) toe. (24-inch pipe [HLM 4.32] authorized under Automatic Board Order (ABO) issued as Permit No. 9388, 1974 - Pauline A. Wallace). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 4.32)].                  FS Date: 5/2/2017 2:20:21 PM</p>					

Photo 3 of 3 : UCIP\_FA\_2019\_51792\_69015.jpg



36-inch CMP riser with Slide gate on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>4.23</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>4.23</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.089666°	39.089666°	
			-122.015248°	-122.015248°	
DWR ID	20717				
Comment Code					
Inspector Comment					
DS_ID:20717 FS_ID:51794 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection. Pump reinstalled on pier.12/16/2013 Pump has been removed for winter.7/16/2013 Same as last inspection.10/11/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 24-inch asphalt coated steel irrigation pipe though the levee, 4.5 feet below the crown. Pump in pump house located on the waterside (WS) bank. Siphon breaker valve installed on the landside (LS) shoulder. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/2/2017 2:29:42 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_51794\_69023.jpg



Possible siphon breaker for pipe on LS shoulder.

LM Start	<b>4.23</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>4.23</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_51794\_69022.jpg



Pumping plant on WS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>4.23</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>4.23</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.089666°	39.089666°
				-122.015248°	-122.015248°
DWR ID	20717				
Comment Code					
Inspector Comment					
DS_ID:20717 FS_ID:51794 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition. 5/4/2015 Corssing appears to be in good condition. 6/17/2014 Same as last inspection. No noticeable issues to report. 12/16/2013 Pump has been removed for winter. 7/16/2013 Same as last inspection. 10/11/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 24-inch asphalt coated steel irrigation pipe though the levee, 4.5 feet below the crown. Pump in pump house located on the waterside (WS) bank. Siphon breaker valve installed on the landside (LS) shoulder. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/2/2017 2:29:42 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_51794\_69021.jpg



Pipe on seft side of photo.

LM Start	<b>4.72</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>4.77</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.096839°	39.097455°
				-122.015568°	-122.015581°
DWR ID	DWR_MA0012_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0012\_299\_4\_20190829\_00003.jpg



View of a ditch along the landside 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>53</b>
LM End	<b>5.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.100898°	39.100898°
				-122.016078°	-122.016078°
DWR ID	17191				
Comment Code					
Inspector Comment					
<p>DS_ID:17191                  FS_ID:51796                  EP_NO: N/A                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 5/2/2017 WS headwall and flapgate almost completely buried with only a small portion of the head wall visible. LS end is buried and unable to be located. (DWR Sutter Yard- AFreitag)10/17/2016 WS flap gate is still silted over and LS inlet is heavily vegetated and unable to be inspected. (DWR Sutter Yard- AFreitag)9/29/2016 Crosssing has been downgraded from Urgent to Non-Urgent WS flap gate is closed shut due to sediment build up. For flood season flap gate is required to be closed. Need to coordinate with owner to remove sediment from WS to have WS flap gate be operable after flood season. (DWR UCIP - omagana)5/31/2016 WS pipe end was mostly underwater but it appears to still be silted over. (DWR Sutter Yard - afreitag)5/4/2015 WS flapgate is blocked by sediment and unable to open. LS inlet is hidden by sediment and heavy vegetation and unable to be located. Needs to be cleared. (DWR Sutter Yard - afreitag)6/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/16/2013 Same as last inspection. (DWR Sutter Yard - afreitag)7/16/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/11/2012 Pipe is clogged at both the inlet and outlet. Good candidate for video inspection. (DWR UCIP - wwyllie)                  FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, approximately 15 feet below the crown. Concrete headwalls on both the waterside (WS) and the landside (LS) ends with an automatic drainage gate on the WS. [Additional Reference(s): USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 5.12)].                  FS Date: 5/2/2017 2:31:39 PM</p>					

Photo 1 of 3 : UCIP\_FA\_2019\_51796\_69030.jpg



Apparent inlet clogged with concrete or grout on LS toe in drainage swale.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>53 (cont)</b>	
LM End	<b>5.01</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.100898°	39.100898°	
				-122.016078°	-122.016078°	
DWR ID	17191					
Comment Code						
Inspector Comment						
DS_ID:17191 FS_ID:51796 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/2/2017 WS headwall and flapgate almost completely buried with only a small portion of the head wall visible. LS end is buried and unable to be located. (DWR Sutter Yard- AFreitag)10/17/2016 WS flap gate is still silted over and LS inlet is heavily vegetated and unable to be inspected. (DWR Sutter Yard- AFreitag)9/29/2016 Crosssing has been downgraded from Urgent to Non-Urgent WS flap gate is closed shut due to sediment build up. For flood season flap gate is required to be closed. Need to coordinate with owner to remove sediment from WS to have WS flap gate be operable after flood season. (DWR UCIP - omagana)5/31/2016 WS pipe end was mostly underwater but it appears to still be silted over. (DWR Sutter Yard - afreitag)5/4/2015 WS flapgate is blocked by sediment and unable to open. LS inlet is hidden by sediment and heavy vegetation and unable to be located. Needs to be cleared. (DWR Sutter Yard - afreitag)6/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/16/2013 Same as last inspection. (DWR Sutter Yard - afreitag)7/16/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/11/2012 Pipe is clogged at both the inlet and outlet. Good candidate for video inspection. (DWR UCIP - wwyllie) FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, approximately 15 feet below the crown. Concrete headwalls on both the waterside (WS) and the landside (LS) ends with an automatic drainage gate on the WS. [Additional Reference(s): USACE Sacramento O&M Manual 132, October 1959, (HLM 5.12)]. FS Date: 5/2/2017 2:31:39 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_51796\_69029.jpg



Outlet on WS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>5.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.100898°	39.100898°
				-122.016078°	-122.016078°
DWR ID	17191				
Comment Code					
Inspector Comment					
<p>DS_ID:17191                      FS_ID:51796                      EP_NO: N/A                      Repair Type: Non-Urgent                      Crossing Status: Found                      UCIP Comments: 5/2/2017 WS headwall and flapgate almost completely buried with only a small portion of the head wall visible. LS end is buried and unable to be located. (DWR Sutter Yard- AFreitag)10/17/2016 WS flap gate is still silted over and LS inlet is heavily vegetated and unable to be inspected. (DWR Sutter Yard- AFreitag)9/29/2016 Crosssing has been downgraded from Urgent to Non-Urgent WS flap gate is closed shut due to sediment build up. For flood season flap gate is required to be closed. Need to coordinate with owner to remove sediment from WS to have WS flap gate be operable after flood season. (DWR UCIP - omagana)5/31/2016 WS pipe end was mostly underwater but it appears to still be silted over. (DWR Sutter Yard - afreitag)5/4/2015 WS flapgate is blocked by sediment and unable to open. LS inlet is hidden by sediment and heavy vegetation and unable to be located. Needs to be cleared. (DWR Sutter Yard - afreitag)6/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/16/2013 Same as last inspection. (DWR Sutter Yard - afreitag)7/16/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/11/2012 Pipe is clogged at both the inlet and outlet. Good candidate for video inspection. (DWR UCIP - wwyllie)                      FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, approximately 15 feet below the crown. Concrete headwalls on both the waterside (WS) and the landside (LS) ends with an automatic drainage gate on the WS. [Additional Reference(s): USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 5.12)].                      FS Date: 5/2/2017 2:31:39 PM</p>					

Photo 3 of 3 : UCIP\_FA\_2019\_51796\_69028.jpg



Concrete U shaped headwall and flap gate on WS toe.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>5.90</b>	Rating **	A/W	Issue No.	<b>54</b>
LM End	<b>5.90</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.113840°	39.113840°
				-122.017736°	-122.017736°
DWR ID	17190				
Comment Code					
Inspector Comment					
DS_ID:17190 FS_ID:51797 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. Pipe was field verified to be 48inch cmp. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, approximately 22 feet below the crown. Concrete headwalls at both the waterside (WS) and the landside (LS) ends with flap gate on the WS. 36-inch corrugated metal pipe (CMP) riser on the LS toe with steel pipe extension for overflow weir of LS ditch. Walkway and pump not associated with this crossing. (Automatic board order (ABO) issued as Permit No. 8234, 1972 - Glenn Irrigation District, for 36-inch, not 48-inch). [Additional Reference(s): USACE Sacramento O&M Manual 132, October 1959, (HLM 6.04, Drawing No. 50-4-3081, Sheet 16)]. FS Date: 5/2/2017 2:33:13 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_51797\_69034.jpg



36-inch CM standpipe with steel pipe extension for weir on LS toe. pump not associated with storm drain crossing.

LM Start	<b>5.90</b>	Rating **	A/W	Issue No.	<b>54 (cont)</b>
LM End	<b>5.90</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_51797\_69033.jpg



36-inch CM standpipe with steel pipe extension for weir on LS 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.114949°	39.114949°	
			-122.017946°	-122.017946°	
DWR ID	20715				
Comment Code					
Inspector Comment					
<p>DS_ID:20715                  FS_ID:51800                  EP_NO: 13699                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 5/2/2017 Pipe appears to be in good condition. Minor erosion above the LS pump house. (DWR Sutter Yard-AFreitag)10/17/2016 Crossing appears to be in good condition.</p> <p>5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Oil leakage around pump.</p> <p>FIELD_STRUCT_DESC: 1 of 2: 20-inch soil proofed steel drainage pipe through the levee, 4.4 feet below the crown. Cobble revetted sump located on the waterside (WS). Siphon breaker in a 24-inch metal riser on the WS shoulder. Pump house at the landside (LS) toe. This crossing replaces the previous 18-inch pipe listed in the O&amp;M manual, see DS_ID 17162. (Permit No. 13699, 1984 - Davis Ranches).                  [Additional Reference(s): USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 6.13)].                  FS Date: 5/2/2017 2:35:14 PM</p>					

Photo 1 of 3 : UCIP\_FA\_2019\_51800\_69061.jpg



Pumping plant on LS slope

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_51800\_69060.jpg



Siphon Breaker on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>5.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.114977°	39.114977°	
			-122.017947°	-122.017947°	
DWR ID	17199				
Comment Code					
Inspector Comment					
<p>DS_ID:17199                  FS_ID:51803                  EP_NO: 9390                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 5/2/2017 Pipe appears to be in good condition. Minor erosion above the LS pump house. (DWR Sutter Yard- AFreitag)10/17/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Minor oil leak on pump.                  FIELD_STRUCT_DESC: 3 of 3: 18-inch steel drainage pipe through the levee, 4.4 feet below the crown. Cobble revetted sump located on the waterside (WS). Siphon breaker in a 16-inch metal riser on the WS shoulder. Pump house at the landside (LS) toe. (18-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9390, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 132, October 1959, (HLM 6.13)].                  FS Date: 5/2/2017 2:37:23 PM</p>					

Photo 1 of 3 : UCIP\_FA\_2019\_51803\_69081.jpg



Pump house on LS slope.

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_51803\_69080.jpg



Siphon breaker on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>6.83</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>6.83</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.126359°	39.126359°
				-122.022732°	-122.022732°
DWR ID	DWR_MA0012_01_s_2019_2				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is minor sloughing on the landside shoulder.					

No Photos

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>59</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.137187°	39.137187°
				-122.022793°	-122.022793°
DWR ID	17163				
Comment Code					
Inspector Comment					
DS_ID:17163 FS_ID:51804 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/2/2017 Appears abandoned- pipe capped on both ends. Should be removed. (DWR Sutter Yard- AFreitag)10/17/2016 Appears abandoned and should be removed. (DWR Sutter Yard- AFreitag)5/31/2016 Appears to be abandoned. Pipe is capped on both WS and LS ends.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Rodent burrowing along sides of pipe on LS. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 3 feet below the crown. Both ends capped, terminating on levee slopes. (Automatic Board Order (ABO) issued as Permit No. 9390, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 7.76)]. FS Date: 5/2/2017 2:45:44 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_51804\_69089.jpg



Pipe on WS.

<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**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.137187°	39.137187°
				-122.022793°	-122.022793°
DWR ID	17163				
Comment Code					
Inspector Comment					
DS_ID:17163 FS_ID:51804 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/2/2017 Appears abandoned- pipe capped on both ends. Should be removed. (DWR Sutter Yard- AFreitag)10/17/2016 Appears abandoned and should be removed. (DWR Sutter Yard- AFreitag)5/31/2016 Appears to be abandoned. Pipe is capped on both WS and LS ends.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Rodent burrowing along sides of pipe on LS. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 3 feet below the crown. Both ends capped, terminating on levee slopes. (Automatic Board Order (ABO) issued as Permit No. 9390, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 7.76)]. FS Date: 5/2/2017 2:45:44 PM					

Photo 2 of 3 : UCIP\_FA\_2019\_51804\_69088.jpg



Pipe on LS.

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_51804\_69087.jpg



Animal burrows along side of pipe LS.

<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**

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**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>9.02</b>	Rating **	A/W	Issue No.	<b>35</b>
LM End	<b>9.04</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		39.157957°	39.158226°	
			-122.021950°	-122.021950°	
DWR ID	DWR_MA0012_01_f_2018_35				
Comment Code					
Inspector Comment					
2017 Site ID: SYC 9.3 L Status: Eroding 2017 Field Notes: Access Issues - Could not observe Site History: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure.					

Photo 1 of 2 : FA\_2019\_MA0012\_299\_35\_20190829\_00005.jpg



View of diversion structure. Fall 2018.

LM Start	<b>9.02</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>9.04</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2019\_MA0012\_299\_35\_20190829\_00006.jpg



Upstream view of Colusa Basin from the diversion structure. Fall 2018.

<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**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>9.03</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>9.03</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.158124 °	39.158124 °
				-122.021701 °	-122.021701 °
DWR ID	17165				
Comment Code					
Inspector Comment					
DS_ID:17165 FS_ID:51807 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/2/2017 Abandoned- only LS steel walkway is visible. (DWR Sutter Yard- AFreitag)10/17/2016 Abandoned. (DWR Sutter Yard- AFreitag)5/31/2016 Abandoned crossing.5/4/2015 Abandoned crossing.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Pipe abandoned. Steel pump platform remains on LS slope, but all appurtenances have been removed. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel drainage pipe through the levee, 3 feet below the crown. Waterside (WS) end open into concrete spill box. Pump located on the landside (LS) on steel pier. (18-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9390, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 9.24)]. FS Date: 5/2/2017 2:47:45 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_51807\_69107.jpg



headwall debris on LS toe showing evidence of 18-inch cmp.

LM Start	<b>9.07</b>	Rating **	C	Issue No.	<b>39</b>
LM End	<b>9.07</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.158663 °	39.158663 °
				-122.021713 °	-122.021713 °
DWR ID	DWR_MA0012_01_f_2018_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There seems to be recent activity in a single hole. Recommend monitoring.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	9.12	Rating **	U	Issue No.	61
LM End	9.12	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.159477°	39.159477°	
			-122.021839°	-122.021839°	
DWR ID	17167				

Comment Code

Inspector Comment

DS\_ID:17167  
 FS\_ID:53013  
 EP\_NO: 9389  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 10/5/2018 Flap gate was installed at WS end of the pipe. Pipe is excessively corroded looking inside from WS end. Video inspection is recommended. Cracks more than 1-inch wide were observed on WS slope around pipe alignment that may be a sign of slope instability. (O.Yakimov - DWR UCIP)5/2/2017 No repairs have been made to this crossing yet. WS flap gate is still disconnected from end of pipe and pipe is showing heavy signs of rust and deterioration as far in as i can see from the WS end. Pipe should be internally camera inspected and repaired/replaced. (DWR Sutter Yard-AFreitag)01/31/2017 Informal Notice of Violation (NOV) was sent out January 31, 2017 by DWR Flood Maintenance Office--owner needs to re-attach flap gate to drainage pipe and coordinate with CVFPB to address additional issue(s) identified in NOV. Owner has until Monday February 27th, 2017 to repond to DWR contact: Bryan Reniff. (refer to Official Notice for details). (DWR UCIP - O. Magana) 10/17/2016 WS flapgate has seperated from the pipe end. WS pipe end is showing signs of rust and deterioration. Needs a new flapgate or other means of closing off the pipe before flood season. (DWR Sutter Yard-AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal drainage pipe through the levee, 15.4 feet below the crown. Concrete headwall and flap gate on the waterside (WS). Concrete headwall on the landside (LS). Pump on steel structure in slough on the LS. Pump discharges into a 42-inch corrugated metal pipe (CMP) riser. Service pole on ramp. Butterfly gate at inlet on the LS toe. (36-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9389, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 9.33)].  
 FS Date: 10/5/2018 3:16:10 PM

Photo 1 of 3 : UCIP\_FA\_2019\_53013\_78165.jpg



Pumping plant at LS 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>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**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>9.12</b>	Rating **	U	Issue No.	<b>61 (cont)</b>
LM End	<b>9.12</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.159477°	39.159477°
				-122.021839°	-122.021839°
DWR ID	17167				

Photo 2 of 3 : UCIP\_FA\_2019\_53013\_76060.jpg



View inside of pipe from the WS

Comment Code					
Inspector Comment					

DS\_ID:17167  
 FS\_ID:53013  
 EP\_NO: 9389  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 10/5/2018 Flap gate was installed at WS end of the pipe. Pipe is excessively corroded looking inside from WS end. Video inspection is recommended. Cracks more than 1-inch wide were observed on WS slope around pipe alignment that may be a sign of slope instability. (O.Yakimov - DWR UCIP)5/2/2017 No repairs have been made to this crossing yet. WS flap gate is still disconnected from end of pipe and pipe is showing heavy signs of rust and deterioration as far in as i can see from the WS end. Pipe should be internally camera inspected and repaired/replaced. (DWR Sutter Yard-AFreitag)01/31/2017 Informal Notice of Violation (NOV) was sent out January 31, 2017 by DWR Flood Maintenance Office--owner needs to re-attach flap gate to drainage pipe and coordinate with CVFPB to address additional issue(s) identified in NOV. Owner has until Monday February 27th, 2017 to repond to DWR contact: Bryan Reniff. (refer to Official Notice for details). (DWR UCIP - O. Magana) 10/17/2016 WS flapgate has seperated from the pipe end. WS pipe end is showing signs of rust and deterioration. Needs a new flapgate or other means of closing off the pipe before flood season. (DWR Sutter Yard-AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal drainage pipe through the levee, 15.4 feet below the crown. Concrete headwall and flap gate on the waterside (WS). Concrete headwall on the landside (LS). Pump on steel structure in slough on the LS. Pump discharges into a 42-inch corrugated metal pipe (CMP) riser. Service pole on ramp. Butterfly gate at inlet on the LS toe. (36-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9389, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 9.33)].  
 FS Date: 10/5/2018 3:16:10 PM

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>9.12</b>	Rating **	U	Issue No.	<b>61 (cont)</b>
LM End	<b>9.12</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.159477°	39.159477°
				-122.021839°	-122.021839°
DWR ID	17167				

**Comment Code**

**Inspector Comment**

DS\_ID:17167  
 FS\_ID:53013  
 EP\_NO: 9389  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 10/5/2018 Flap gate was installed at WS end of the pipe. Pipe is excessively corroded looking inside from WS end. Video inspection is recommended. Cracks more than 1-inch wide were observed on WS slope around pipe alignment that may be a sign of slope instability. (O.Yakimov - DWR UCIP)5/2/2017 No repairs have been made to this crossing yet. WS flap gate is still disconnected from end of pipe and pipe is showing heavy signs of rust and deterioration as far in as i can see from the WS end. Pipe should be internally camera inspected and repaired/replaced. (DWR Sutter Yard-AFreitag)01/31/2017 Informal Notice of Violation (NOV) was sent out January 31, 2017 by DWR Flood Maintenance Office--owner needs to re-attach flap gate to drainage pipe and coordinate with CVFPB to address additional issue(s) identified in NOV. Owner has until Monday February 27th, 2017 to repond to DWR contact: Bryan Reniff. (refer to Official Notice for details). (DWR UCIP - O. Magana) 10/17/2016 WS flapgate has seperated from the pipe end. WS pipe end is showing signs of rust and deterioration. Needs a new flapgate or other means of closing off the pipe before flood season. (DWR Sutter Yard-AFreitag)5/31/2016 Crossing appears to be in good condition.5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal drainage pipe through the levee, 15.4 feet below the crown. Concrete headwall and flap gate on the waterside (WS). Concrete headwall on the landside (LS). Pump on steel structure in slough on the LS. Pump discharges into a 42-inch corrugated metal pipe (CMP) riser. Service pole on ramp. Butterfly gate at inlet on the LS toe. (36-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9389, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 9.33)].  
 FS Date: 10/5/2018 3:16:10 PM

Photo 3 of 3 : UCIP\_FA\_2019\_53013\_78159.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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**

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**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>9.39</b>	Rating **	A/W	Issue No.	<b>32</b>
LM End	<b>9.39</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.163288°	39.163288°
				-122.021859°	-122.021859°
DWR ID	DWR_MA0012_01_f_2019_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Single rodent hole on the landside slope. LMA placed bait station at the toe. Recommend monitoring for activity.					

No Photos

LM Start	<b>10.92</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>10.92</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.180039°	39.180039°
				-122.014266°	-122.014266°
DWR ID	17157				
Comment Code					
Inspector Comment					
DS_ID:17157 FS_ID:51810 EP_NO: 9386 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/2/2017 Abandoned- needs to be done properly. (DWR Sutter Yard- AFreitag)10/17/2016 Abandoned crossing. (DWR Sutter Yard- AFreitag)5/31/2016 Abandoned crossing. Both pipe ends and slide gate inside of riser are buried.5/4/2015 Both pipe ends and slide gate in riser are plugged with soil. Crossing is inoperable.6/17/2014 Same as last inspection.12/16/2013 Same as last inspection.7/16/2013 Same as last inspection.10/11/2012 Pipe plugged with soil on both ends as well as at slide gate on WS slope. Slide gate inoperable. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate in a 36-inch riser on the waterside (WS) shoulder. Levee turns eastward. (24-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9386, 1974 - C. J. Wescott Jr.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 132, October 1959, (HLM 11.17)]. FS Date: 5/2/2017 2:51:53 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51810\_69115.jpg



cover on 36-inch CMP standpipe on WS slope.

<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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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/09/2019 10/09/2019	Zach Jojola

LM Start	<b>10.95</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>11.05</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.180121°	39.180198°
				-122.013693°	-122.011833°
DWR ID	DWR_MA0012_01_f_2019_31				
Comment Code					
DT : Ditch					
Inspector Comment					
Landowner appears to have installed a landside toe irrigation ditch.					

Photo 2 of 2 : FA\_2019\_MA0012\_299\_31\_20191010\_00078.jpg



View of the water source. Fall 2019.

<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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