

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start		Rating **	A	Issue No.	<b>4</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_ST0002_01_s_2013_4				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>5</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_ST0002_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>6</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_ST0002_01_s_2013_6				
Comment Code					
Inspector Comment					
The LMA has completed flood flight training.					

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	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>48</b>
LM End	<b>0.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.151291 °	39.148600 °	
			-121.832110 °	-121.830018 °	
DWR ID	DWR_ST0002_01_f_2019_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_48\_20200226\_00011.jpg



View of the vegetation along the landside slope. Fall 2019.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>47</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.151291 °	39.148212 °	
			-121.832110 °	-121.829759 °	
DWR ID	DWR_ST0002_01_f_2019_47				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_47\_20200226\_00010.jpg



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

LM Start	<b>0.36</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>0.36</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.147183 °	39.147183 °	
			-121.828142 °	-121.828142 °	
DWR ID	DWR_ST0002_01_s_2017_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside toe.					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_42\_20200226\_00007.jpg



View of the erosion along the waterside 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>0.99</b>	Rating **	M	Issue No.	<b>64</b>
LM End	<b>0.99</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.141873 °	39.141873 °
				-121.818520 °	-121.818520 °
DWR ID	DWR_ST0002_01_s_2020_64				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_64\_20200319\_00121.jpg



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

LM Start	<b>1.11</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>1.11</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.140817 °	39.140817 °
				-121.816848 °	-121.816848 °
DWR ID	DWR_ST0002_01_f_2019_46				
Comment Code					
GA : Garbage					
Inspector Comment					
Remove the garbage from the waterside shoulder.					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_46\_20200226\_00009.jpg



View of the garbage along the waterside slope.

LM Start	<b>1.53</b>	Rating **	U	Issue No.	<b>57</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.137373 °	39.137373 °
				-121.810382 °	-121.810382 °
DWR ID	DWR_ST0002_01_f_2017_57				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the beaver hole along the waterside berm.					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_57\_20200226\_00014.jpg



View of the beaver hole along the waterside berm.

<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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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>1.57</b>	Rating **	U	Issue No.	<b>58</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.137010 °	39.137010 °
				-121.809673 °	-121.809673 °
DWR ID	DWR_ST0002_01_f_2017_58				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the beaver hole along the waterside berm.					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_58\_20200226\_00015.jpg



View of the beaver hole along the waterside berm.

LM Start	<b>1.61</b>	Rating **	U	Issue No.	<b>61</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.136713 °	39.136713 °
				-121.809202 °	-121.809202 °
DWR ID	DWR_ST0002_01_f_2017_61				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the beaver hole along the waterside berm.					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_61\_20200226\_00016.jpg



View of the beaver hole along the waterside berm.

LM Start	<b>2.32</b>	Rating **	C	Issue No.	<b>51</b>
LM End	<b>2.32</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.130704 °	39.130704 °
				-121.798381 °	-121.798381 °
DWR ID	DWR_ST0002_01_f_2019_51				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

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	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120372 °	39.120372 °
				-121.779800 °	-121.779800 °
DWR ID	16880				

Photo 2 of 3 : UCIP\_SP\_2020\_55218\_78857.jpg



LS view: slide gate valves located on LS shoulder.

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55218\_64815.jpg



Slide gates on LS shoulder.

<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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Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120358 °	39.120358 °
				-121.779775 °	-121.779775 °
DWR ID	16895				

Photo 2 of 3 : UCIP\_SP\_2020\_55219\_78866.jpg



Overview of levee crown, photo taken at crossings looking u/s.

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55219\_78864.jpg



LS view: slide gate valves located on LS shoulder.

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>5.19</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.103368 °	39.103368 °
				-121.758760 °	-121.758760 °
DWR ID	DWR_ST0002_01_s_2018_45				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_45\_20200226\_00008.jpg



View of the vehicle traffic along the waterside 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	<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 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>5.85</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>5.85</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.094508 °	39.094508 °	
			-121.754169 °	-121.754169 °	
DWR ID	DWR_ST0002_01_f_2019_52				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_52\_20200226\_00013.jpg



View of the rodent burrow on the landside slope. Fall 2019.

LM Start	<b>7.83</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>7.83</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.067299 °	39.067299 °	
			-121.742851 °	-121.742851 °	
DWR ID	DWR_ST0002_01_f_2016_34				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_ST0002\_450\_34\_20200226\_00005.jpg



View of the erosion along the waterside toe.

LM Start	<b>8.11</b>	Rating **	M	Issue No.	<b>63</b>
LM End	<b>8.11</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.063343 °	39.063343 °	
			-121.741183 °	-121.741183 °	
DWR ID	DWR_ST0002_01_s_2020_63				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.025683 °	39.025683 °
				-121.726886 °	-121.726886 °
DWR ID	16906				

Photo 2 of 3 : UCIP\_SP\_2020\_55257\_65253.jpg



Flap gates on WS toe.

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55257\_65252.jpg



Pumping plant 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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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.025639 °	39.025639 °
				-121.726874 °	-121.726874 °
DWR ID	16909				

Photo 2 of 3 : UCIP\_SP\_2020\_55256\_65262.jpg



Flap gates on WS Toe.

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55256\_65261.jpg



Pumphouse/intake on LS toe.

LM Start	<b>13.34</b>	Rating **	C	Issue No.	<b>23</b>
LM End	<b>13.34</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.991857 °	38.991857 °
				-121.711555 °	-121.711555 °
DWR ID	DWR_ST0002_01_s_2015_23				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

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	<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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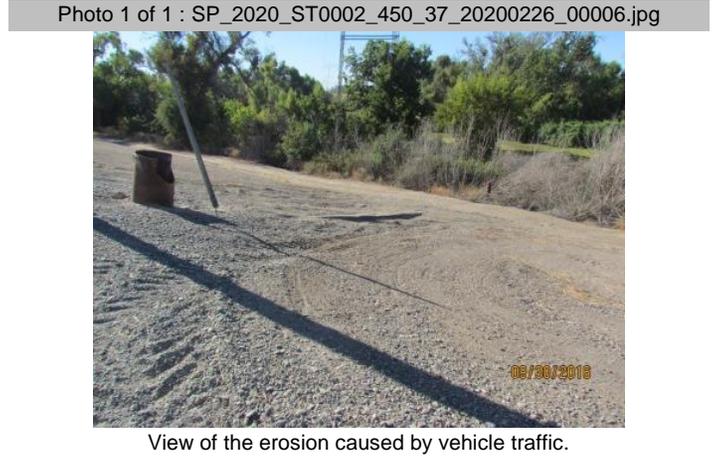
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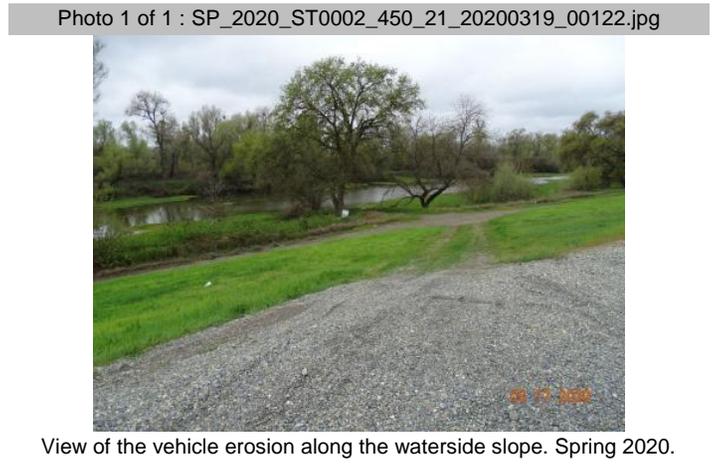
**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>14.71</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>14.71</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.979389 °	38.979389 °	
			-121.691923 °	-121.691923 °	
DWR ID	DWR_ST0002_01_f_2016_37				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					



LM Start	<b>17.60</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>17.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.949965 °	38.949965 °	
			-121.653823 °	-121.653823 °	
DWR ID	DWR_ST0002_01_s_2015_21				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					



<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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Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>19.18</b>	Rating **	M	Issue No.	<b>100</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932476 °	38.932476 °	
			-121.635173 °	-121.635173 °	
DWR ID	16877				
Comment Code					
Inspector Comment					
<p>DS_ID:16877                  FS_ID:55285                  EP_NO: N/A                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - aFreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culvert.                  FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope.                  [Additional Reference(s): DWR Levee Log, 2005 (HLM 19.47). USACE Sacramento O&amp;M Manual 315, May 1953 (Station 141+46)].                  FS Date: 5/1/2019 2:41:00 PM</p>					

Photo 1 of 3 : UCIP\_SP\_2020\_55285\_65326.jpg



Pumphouse on LS 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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Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>19.18</b>	Rating **	M	Issue No.	<b>101</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932469 °	38.932469 °	
			-121.635160 °	-121.635160 °	
DWR ID	17027				
Comment Code					
Inspector Comment					
<p>DS_ID:17027                      FS_ID:55286                      EP_NO: N/A                      Repair Type: Non-Urgent                      Crossing Status: Found                      UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - aFreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culverts.                      FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope.                      [Additional Reference(s): DWR Levee Log, 2005 (HLM 19.47). USACE Sacramento O&amp;M Manual 315, May 1953 (Station 141+46)].                      FS Date: 5/1/2019 2:42:00 PM</p>					

Photo 1 of 3 : UCIP\_SP\_2020\_55286\_65330.jpg



Pumphouse on LS 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**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>19.18</b>	Rating **	M	Issue No.	<b>102</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932460 °	38.932460 °	
			-121.635150 °	-121.635150 °	
DWR ID	17028				
Comment Code					
Inspector Comment					
<p>DS_ID:17028                      FS_ID:55287                      EP_NO: N/A                      Repair Type: Non-Urgent                      Crossing Status: Found                      UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - aFreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Need to determine type of abandonment for concrete culverts.                      FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope.                      [Additional Reference(s): DWR Levee Log, 2005 (HLM 19.47). USACE Sacramento O&amp;M Manual 315, May 1953 (Station 141+46)].                      FS Date: 5/1/2019 2:43:00 PM</p>					

Photo 1 of 3 : UCIP\_SP\_2020\_55287\_65333.jpg



Pumphouse on LS 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**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee		Left	21.68	03/17/2020 03/17/2020	Makar Sokol

LM Start	<b>19.18</b>	Rating **	M	Issue No.	<b>102 (cont)</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932460 °	38.932460 °	
			-121.635150 °	-121.635150 °	
DWR ID	17028				

Photo 2 of 3 : UCIP\_SP\_2020\_55287\_65332.jpg



Slide gates on WS shoulder.

LM Start	<b>19.18</b>	Rating **	M	Issue No.	<b>102 (cont)</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55287\_65331.jpg



Flap gate at WS toe.

LM Start	<b>20.35</b>	Rating **	C	Issue No.	<b>53</b>
LM End	<b>20.35</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.918015 °	38.918015 °	
			-121.624383 °	-121.624383 °	
DWR ID	DWR_ST0002_01_f_2019_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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	<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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