

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

ST0007 Sacramento Maintenance Yard Putah Creek	Overall LMA Rating	Total LMA Miles						
	<b>U</b>	<b>15.98</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>								
Vegetation	5.24	0.25	6.24	39.05%	0.16			
Trim / Thin Trees	0.01		0.01	0.06%				
Encroachments					4.63	0.36		
Animal Control	0.01	0.01	0.05	0.31%				
Slope Stability	0.02		0.02	0.13%				
Erosion / Bank Caving	0.01		0.01	0.06%				
Crown Surface / Depressions / Rutting	4.57		4.57	28.60%				
<i>Supplemental</i>								
2017 USACE Erosion Survey	0.05		0.05	0.31%				
DRAFT DWR UCIP Field Study					0.35	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	9.91	0.26	10.95	68.52%	5.14	0.37	0.00	0.00

Unit No. 01 Putah Creek or North Levee LB ST0007	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>8.79</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>								
Vegetation	2.87	0.24	3.83	43.60%				
Trim / Thin Trees	0.01		0.01	0.11%				
Encroachments					3.17	0.07		
Animal Control	0.01		0.01	0.11%				
Slope Stability	0.02		0.02	0.23%				
Crown Surface / Depressions / Rutting	1.60		1.60	18.21%				
<i>Supplemental</i>								
2017 USACE Erosion Survey	0.05		0.05	0.57%				
DRAFT DWR UCIP Field Study					0.21	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	4.56	0.24	5.52	62.83%	3.38	0.08	0.00	0.00

Unit No. 02 Putah Creek or South Levee RB ST0007	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>7.20</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>								
Vegetation	2.37	0.01	2.41	33.50%	0.16			
Encroachments					1.46	0.29		
Animal Control		0.01	0.04	0.56%				
Erosion / Bank Caving	0.01		0.01	0.14%				
Crown Surface / Depressions / Rutting	2.97		2.97	41.28%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.14			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	5.35	0.02	5.43	75.47%	1.76	0.29	0.00	0.00

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

**Sacramento Maintenance Yard Putah Creek**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

\*\* 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway		Bank	Unit Miles	
Unit No. 01 Putah Creek or North Levee		Left	8.79	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/18/2019 - 4/18/2019		10/8/2019 - 10/8/2019	
DWR Inspector	David Julian		David Julian	
Accompanied By	James McCabe DWR Sacramento Maintenance Yard		Jimmy Kortuem DWR Sacramento Maintenance Yard	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start		Rating **	A	Issue No.	<b>25</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_ST0007_01_s_2013_25				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a copy of the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	<b>26</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_ST0007_01_s_2013_26				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has adequate emergency supplies stored.					

No Photos

LM Start		Rating **	A	Issue No.	<b>27</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_ST0007_01_s_2013_27				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard trains yearly for flood fighting.					

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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>0.15</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.521560°	38.521560°
				-121.631770°	-121.631770°
DWR ID	594				
Comment Code					
Inspector Comment					
DS_ID:594 FS_ID:55580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 48 inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Reinforced concrete headwalls on both waterside (WS) and landside (LS). Concrete apron with cobble paving is located on the channel side. (2012) No evidence that structure exists remains on levee. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 0+62). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 18, Sheet 2, December 1947] FS Date: 11/7/2019 9:52:06 AM					

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.519660 °	38.519660 °
				-121.638820 °	-121.638820 °
DWR ID	488				
Comment Code					
Inspector Comment					
DS_ID:488 FS_ID:55584 EP_NO: 10261 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Crossing type should be updated to Irrigation as it serves irrigation purposes. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through the levee, 12.5 feet below the crown. Slide gate is located on the waterside (WS) end. Concrete standpipe and headwall are located on the WS. Water well is connected to the standpipe. (24-inch pipe [HLM 0.58] authorized under Automatic Board Order (ABO) issued as Permit No. 10261, 1974 - Tufts) [Additional Reference(s): DWR Levee Log, 1981 and 2005 (HLM 0.58). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 31+00). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 19, Sheet 3, December 1947] FS Date: 11/7/2019 9:56:43 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55584\_82058.jpg



Water well connected to standpipe at LS toe. Top of headwall is visible

LM Start	<b>0.62</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>2.68</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.519638 °	38.517468 °
				-121.639665 °	-121.676263 °
DWR ID	DWR_ST0007_01_f_2019_32				
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	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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>1.08</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.517530 °	38.517530 °
				-121.647690 °	-121.647690 °
DWR ID	16649				
Comment Code					
Inspector Comment					
DS_ID:16649 FS_ID:55585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Reinforced concrete headwalls on both waterside (WS) and landside (LS). Concrete apron with cobble paving is located on the channel side. (2012) No evidence of crossing remains on the levee. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station G 198+85). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 19, Sheet 3, December 1947] FS Date: 11/7/2019 10:07:08 AM					

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>1.15</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.517110°	38.517110°	
			-121.648844°	-121.648844°	
DWR ID	489				
Comment Code					
Inspector Comment					
DS_ID:489 FS_ID:55592 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)04/04/2012 Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe (field verified not 16-inch) sleeved through existing 24-inch drainage steel pipe through levee, 12.5 feet below the crown. Annular space sealed at both the waterside (WS) and landside (LS) ends. Concrete headwalls are located on both the WS and LS ends. PVC sleeved December of 2007 (unknown source). (16-inch pipe sleeved through 24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, March 2007 (HLM 1.17). USACE Sacramento O&M Manual 119, December 1952 - not sure if crossing is pipe referenced as Station G 198+85] FS Date: 11/7/2019 10:24:34 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55592\_82082.jpg



View of LS looking from levee crown

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55592\_82083.jpg



View of WS looking from levee crown. Air vent at levee 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.517110°	38.517110°
				-121.648844°	-121.648844°
DWR ID	489				
Comment Code					
Inspector Comment					
DS_ID:489 FS_ID:55592 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)04/04/2012 Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe (field verified not 16-inch) sleeved through existing 24-inch drainage steel pipe through levee, 12.5 feet below the crown. Annular space sealed at both the waterside (WS) and landside (LS) ends. Concrete headwalls are located on both the WS and LS ends. PVC sleeved December of 2007 (unknown source). (16-inch pipe sleeved through 24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, March 2007 (HLM 1.17). USACE Sacramento O&M Manual 119, December 1952 - not sure if crossing is pipe referenced as Station G 198+85] FS Date: 11/7/2019 10:24:34 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55592\_82084.jpg



Pump in the field on WS approximately 350 feet from levee

LM Start	<b>1.17</b>	Rating **	U	Issue No.	<b>33</b>
LM End	<b>1.24</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.516983°	38.516582°
				-121.649207°	-121.650248°
DWR ID	DWR_ST0007_01_f_2019_33				
Comment Code					
MA : Material					
Inspector Comment					
Dirt piles are at landside toe.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_33\_20191008\_00070.jpg



View of large dirt piles at the landside toe (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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.515918°	38.515302°	
			-121.652023°	-121.654512°	
DWR ID	DWR_ST0007_01_f_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.52</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>2.67</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.515258°	38.517376°	
			-121.655107°	-121.676054°	
DWR ID	DWR_ST0007_01_s_2012_10				
Comment Code					
DT : Ditch					
Inspector Comment					
This agriculture ditch is owned by Dos Rios Farms.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_10\_20190826\_00004.jpg



View of agriculture ditch within 10-foot of levee toe.

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>2.03</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.515375°	38.515630°	
			-121.660902°	-121.664507°	
DWR ID	DWR_ST0007_01_f_2019_40				
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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>2.13</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515739°	38.515739°
				-121.666432°	-121.666432°
DWR ID	491				
Comment Code					
Inspector Comment					
DS_ID:491 FS_ID:55596 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 At the time of inspection both LS and WS irrigation ditched are filled with water. Unable to see pipe. (O.Yakimov - DWR UCIP)09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10262. (DWR UCIP - O. Magana) 04/03/2012 Pipe has significant rust and exfoliation of metal showing at ends. Reccommend video inspection. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch irrigation pipe of unknown material through levee, 15.5 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the landside (LS) end. (24-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005 (HLM 2.17). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station T 16+70). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 21, Sheet 5, December 1947] FS Date: 11/7/2019 10:40:42 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55596\_82097.jpg



View of WS looking from levee crown

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55596\_82098.jpg



View of LS looking from levee crown

<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**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515739 °	38.515739 °
				-121.666432 °	-121.666432 °
DWR ID	491				
Comment Code					
Inspector Comment					
DS_ID:491 FS_ID:55596 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 At the time of inspection both LS and WS irrigation ditched are filled with water. Unable to see pipe. (O.Yakimov - DWR UCIP)09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10262. (DWR UCIP - O. Magana) 04/03/2012 Pipe has significant rust and exfoliation of metal showing at ends. Reccommend video inspection. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch irrigation pipe of unknown material through levee, 15.5 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the landside (LS) end. (24-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005 (HLM 2.17). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station T 16+70). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 21, Sheet 5, December 1947] FS Date: 11/7/2019 10:40:42 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55596\_82099.jpg



Concrete headwall in LS irrigation ditch

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>2.72</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>2.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.517580 °	38.517580 °
				-121.676820 °	-121.676820 °
DWR ID	492				
Comment Code					
Inspector Comment					
DS_ID:492 FS_ID:55597 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined drainage pipe of unknown material through levee, 13 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwalls are located on both the waterside (WS) and landside (LS). (24-inch pipe [HLM 2.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005 (HLM 2.77). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station P 213+00). USACE As-Built Drawing No. 50-04-2396, Revision 3, pdf page 22, Sheet 6, December 1947] FS Date: 11/7/2019 10:48:08 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55597\_82104.jpg



LS levee slope, headwall, and pipe end

LM Start	<b>3.05</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>3.05</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519205 °	38.519205 °
				-121.682618 °	-121.682618 °
DWR ID	DWR_ST0007_01_s_2018_35				
Comment Code					
EQ : Equipment					
Inspector Comment					
Ag equipment and cut wood pile should be removed from LS toe to allow inspection and access.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_35\_20191008\_00071.jpg



View of equipment and large wood pile at the landside toe (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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>64 (cont)</b>	
LM End	<b>3.22</b>	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.519731 °	38.519731 °	
				-121.685681 °	-121.685681 °	
DWR ID	16849					
Comment Code						
Inspector Comment						
DS_ID:16849 FS_ID:55608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP)04/03/2012 Old pipe and concrete hauled to county dump. Evidence of the 14-inch pipe is no longer present at site. See new picture. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12 feet below the crown. Pipe terminates at standpipe located on the waterside (WS) approximately 500 feet south of levee. Mobile pumping plant is located in the floodway at edge of stream 740 feet south of levee. FS Date: 11/7/2019 1:05:17 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55608\_82138.jpg



Filter plant and electrical boxes

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.23</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>3.23</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.519750 °	38.519750 °
				-121.685860 °	-121.685860 °
DWR ID	16650				
Comment Code					
Inspector Comment					
DS_ID:16650 FS_ID:55609 EP_NO: 10254 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. DMP Geophysics study did not confirm pipe through the levee at this location, although confirmed linear magnetic anomaly through the levee 90 feet east (downstream) of this site. Taking the fact that absence of linear magnetic anomaly does not guarantee absence of pipe at this location, pipe considered Not Found. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 13 feet below the crown. . Concrete headwalls located on the waterside (WS) and landside (LS) toes. Pump station is located on the LS toe. (2012) No evidence of crossing remains on levee. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10254, 1974 - Lester J., Frederick C. & Richard H. Hamel) [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station P 239+20). USACE As-Built Drawing No. 50-04-2396, Revision 3, pdf page 22, Sheet 6, December 1947] FS Date: 11/7/2019 1:19:03 PM					

No Photos

LM Start	<b>3.25</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>3.64</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519831 °	38.519848 °
				-121.686263 °	-121.693463 °
DWR ID	DWR_ST0007_01_s_ 2013_4				
Comment Code					
FE : Fence					
Inspector Comment					
No permit was found for this wire fence at the waterside levee toe.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_4\_20191008\_00072.jpg



View of barbed wire at the waterside toe (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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.520250°	38.520250°
				-121.695250°	-121.695250°
DWR ID	589				
Comment Code					
Inspector Comment					
DS_ID:589 FS_ID:55454 EP_NO: 17144 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/22/2019 Fiber optic line marker bent and broken near bridge on west side on Macy Blvd. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5-inch steel conduit containing fiber optic cables across and under the levee at Mace Boulevard 50 feet below the crown. White and orange paddle marker is located 10 feet West of Mace Boulevard approximately 400 feet north of levee crossing. (5-inch pipe authorized under Permit No. 17144, 2000 - Williams Communications) FS Date: 10/22/2019 3:28:24 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55454\_81749.jpg



White and orange marker 400 feet north of levee crossing at Mace Blvd

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55454\_81750.jpg



Bent to the ground line marker near Macy Blvd bridge

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.520250°	38.520250°
				-121.695250°	-121.695250°
DWR ID	589				
Comment Code					
Inspector Comment					
DS_ID:589 FS_ID:55454 EP_NO: 17144 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/22/2019 Fiber optic line marker bent and broken near bridge on west side on Macy Blvd. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5-inch steel conduit containing fiber optic cables across and under the levee at Mace Boulevard 50 feet below the crown. White and orange paddle marker is located 10 feet West of Mace Boulevard approximately 400 feet north of levee crossing. (5-inch pipe authorized under Permit No. 17144, 2000 - Williams Communications) FS Date: 10/22/2019 3:28:24 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55454\_81751.jpg



Bent to the ground line marker near Macy Blvd bridge

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.519790 °	38.519790 °	
			-121.695450 °	-121.695450 °	
DWR ID	496				
Comment Code					
Inspector Comment					
DS_ID:496 FS_ID:55455 EP_NO: 10251 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Installed a new precast concrete box on the waterside. Pipe will be lined in November 2019 according to FMO staff. (O.Yakimov - DWR UCIP)4/10/2019 Major erosion through out pipe. Erosion on WS allows water to enter pipe and flood LS field. Erosion on farmers waterman valve. Field water drains into pipe and floods LS field. (J.McCabe - DWR Sacramento Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below the crown. Two metal cutoff walls were installed through the levee. A T-post and T-handle are located on the landside (LS) toe. The outfall structure and flap gate are located on the west side of bridge, waterside (WS). (24-inch pipe [HLM 3.87] authorized under Automatic Board Order (ABO) issued as Permit No. 10251, 1974 - F.M.C. Corp.) [Additional Reference(s): DWR Levee Log, 1981 and 2005 (HLM 3.87). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 1+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947] FS Date: 10/22/2019 3:38:32 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55455\_81753.jpg



LS levee slope, headwall, and pipe end

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55455\_81754.jpg



View inside of CMP drainage pipe

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.05</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>4.05</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.518685°	38.518685°	
			-121.699835°	-121.699835°	
DWR ID	497				
Comment Code					
Inspector Comment					
DS_ID:497 FS_ID:55456 EP_NO: 10251 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Pipe inlet and headwall are not visible on LS. Slide gate in CMP riser is in closed position, crossing looks abandoned. Construction according to permit 10251-1 hasn't started yet. Field structure description is updated to match original pipe construction. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch pipe through levee, 16 feet below the crown. 36-inch galvanized corrugated metal pipe (CMP) riser located on the waterside (WS) slope. (24-inch pipe [HLM 4.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10251, 1974 - F.M.C. Corp.; assumed original 24-inch pipe was installed in 12/12/1952 per O&M manual) [Additional Reference(s): DWR Levee Log, 1981 and 2005 (HLM 4.13). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 17+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947] FS Date: 10/22/2019 11:37:56 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55456\_81760.jpg



View of levee crown at the crossing

LM Start	<b>4.05</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>4.05</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55456\_81761.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.30</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>4.30</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.518270°	38.518270°	
			-121.704440°	-121.704440°	
DWR ID	498				
Comment Code					
Inspector Comment					
DS_ID:498 FS_ID:55457 EP_NO: 10250 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Crossing is used to provide well water suply from WS to LS. Well and electric boxes located on WS about 500 ft south of the levee. PVC standpipe and fresno valve at dirt road shoulder on WS. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. No control valves. Concrete standpipes on both sides of the levee. (24-inch pipe [HLM 4.39]authorizaed under Automatic Board Order (ABO) issued as Permit No. 10250, 1974 - Martha A. Faria). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.39). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 31+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947]. FS Date: 10/22/2019 2:09:24 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55457\_81767.jpg



Raised concrete standpipe at WS levee toe

LM Start	<b>4.30</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>4.30</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55457\_81768.jpg



Raised concrete standpipe at LS levee 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.30</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>4.30</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518270 °	38.518270 °
				-121.704440 °	-121.704440 °
DWR ID	498				
Comment Code					
Inspector Comment					
<p>DS_ID:498                  FS_ID:55457                  EP_NO: 10250                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 10/22/2019 Crossing is used to provide well water supply from WS to LS. Well and electric boxes located on WS about 500 ft south of the levee. PVC standpipe and fresno valve at dirt road shoulder on WS. (O.Yakimov - DWR UCIP)                  FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. No control valves. Concrete standpipes on both sides of the levee. (24-inch pipe [HLM 4.39]authorized under Automatic Board Order (ABO) issued as Permit No. 10250, 1974 - Martha A. Faria). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.39). USACE Sacramento O&amp;M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 31+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947].                  FS Date: 10/22/2019 2:09:24 PM</p>					

Photo 3 of 3 : UCIP\_FA\_2019\_55457\_81769.jpg



PVC standpipe and closure device south of levee on WS

LM Start	<b>4.32</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>4.80</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518280 °	38.518041 °
				-121.704657 °	-121.713680 °
DWR ID	DWR_ST0007_01_s_2018_39				
Comment Code					
PI : Pipe					
Inspector Comment					
<p>Newly planted orchard on LS appears to have installed a water pipe with visible risers parallel to levee approx 8 feet from toe. This pipe should be verified, and owner should contact CVFPB for direction.</p>					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_39\_20191008\_00076.jpg



View of irrigation riser within 10 feet of the toe (Fall 2019).

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.57</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>4.57</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.518175°	38.518175°	
			-121.709270°	-121.709270°	
DWR ID	DWR_ST0007_01_f_2019_43				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Vehicle tracks depressed into slope.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_43\_20191008\_00073.jpg



View of vehicle tracks on the waterside slope (Fall 2019).

LM Start	<b>4.57</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>4.57</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.518175°	38.518175°	
			-121.709270°	-121.709270°	
DWR ID	DWR_ST0007_01_f_2019_44				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes. Holes do not look deep.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_44\_20191008\_00074.jpg



View of animal holes on the waterside slope (Fall 2019).

LM Start	<b>4.75</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>4.75</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.518058°	38.518058°	
			-121.712674°	-121.712674°	
DWR ID	DWR_ST0007_01_s_2019_37				
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 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.24</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>5.24</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.518142°	38.518142°
				-121.721778°	-121.721778°
DWR ID	DWR_ST0007_01_f_2019_45				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Vehicle depression on the waterside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_45\_20191008\_00077.jpg



View of vehicle track depression on waterside shoulder (Fall 2019).

LM Start	<b>5.28</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>5.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.518022°	38.518022°
				-121.722521°	-121.722521°
DWR ID	500				
Comment Code					
Inspector Comment					
DS_ID:500 FS_ID:55459 EP_NO: 10256 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/06/2013 Debris removed. See picture (C. Lund - DWR Sacramento Yard) 04/04/2012 Some debris in pipe invert LS (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.39] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.39). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 83+70 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 3:11:16 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55459\_81775.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	5.28	Rating **	M	Issue No.	71 (cont)
LM End	5.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.518022 °	38.518022 °
				-121.722521 °	-121.722521 °
DWR ID	500				
Comment Code					
Inspector Comment					
DS_ID:500 FS_ID:55459 EP_NO: 10256 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/06/2013 Debris removed. See picture (C. Lund - DWR Sacramento Yard) 04/04/2012 Some debris in pipe invert LS (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.39] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.39). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 83+70 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 3:11:16 PM					

Photo 2 of 3 : UCIP\_FA\_2019\_55459\_81776.jpg



View of WS looking from levee crown

LM Start	5.28	Rating **	M	Issue No.	71 (cont)
LM End	5.28	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_55459\_81777.jpg



LS levee slope, headwall, and pipe end

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.30</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>5.30</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.518032 °	38.518032 °
				-121.722778 °	-121.722778 °
DWR ID	501				
Comment Code					
Inspector Comment					
DS_ID:501 FS_ID:55460 EP_NO: 10256 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Crossing has been modified to supply water from LS to WS. Should not be considered a storm drainage pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end in 36-inch standpipe. Concrete standpipe at LS toe with fill-in pipe. (24-inch pipe [HLM 5.40] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.40). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 84+40 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 3:28:15 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55460\_81781.jpg



View inside of CMP standpipe on WS

LM Start	<b>5.31</b>	Rating **	A/W	Issue No.	<b>50</b>
LM End	<b>5.39</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518048 °	38.518132 °
				-121.723033 °	-121.724473 °
DWR ID	DWR_ST0007_01_f_2017_50				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Access road now present where agricultural tilling was.					

Photo 1 of 2 : FA\_2019\_ST0007\_282\_50\_20190826\_00013.jpg



View looking upstream at the access road where the agricultural tilling was previously (September 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.31</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>5.39</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.518048°	38.518132°	
			-121.723033°	-121.724473°	
DWR ID	DWR_ST0007_01_f_2017_50				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Access road now present where agricultural tilling was.					

Photo 2 of 2 : FA\_2019\_ST0007\_282\_50\_20190826\_00014.jpg



Agricultural tilling has encroached into waterside levee toe. Activity should cease and toe should be repaired.

LM Start	<b>5.31</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>6.91</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.518062°	38.517545°	
			-121.723047°	-121.752413°	
DWR ID	DWR_ST0007_01_f_2019_46				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Drag crown to reduce rutting.					

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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>5.56</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.518249°	38.518249°	
			-121.727538°	-121.727538°	
DWR ID	502				
Comment Code					
Inspector Comment					
DS_ID:502 FS_ID:55461 EP_NO: 10255 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.67] authorized under Automatic Board Order (ABO) issued as Permit No. 10255, 1974 - Owen W. and Ray W. Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.67). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 97+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 4:03:27 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55461\_81782.jpg



View of LS looking from levee crown

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55461\_81783.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>74 (cont)</b>	
LM End	<b>5.56</b>	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.518250 °	38.518250 °	
				-121.727685 °	-121.727685 °	
DWR ID	590					
Comment Code						
Inspector Comment						
DS_ID:590 FS_ID:55462 EP_NO: 14140 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Broken air vent on WS shoulder, closure devices not present. (O.Yakimov - DWR UCIP)04/04/2012 Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe through the levee, 16 feet below the crown. 24-inch standpipe with pump on the landside (LS). Pipe outfall at creek with riprap. FS Date: 10/22/2019 4:12:16 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55462\_81788.jpg



WS levee slope and broken air vent on the top

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>75</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.518368°	38.518368°	
			-121.730947°	-121.730947°	
DWR ID	503				
Comment Code					
Inspector Comment					
DS_ID:503 FS_ID:55644 EP_NO: 10252 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/06/2013 owner of pipe needs to clean out obstruction in pipe. (C. Lund - DWR Sacramento Yard) 04/04/2012 Partially obstructed with sedimentation throughout crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.86] authorized under Automatic Board Order (ABO) issued as Permit No. 10252, 1974 - John F. Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.86). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 108+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 10:55:40 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55644\_82261.jpg



View of LS looking from levee crown

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55644\_82262.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.518368 °	38.518368 °
				-121.730947 °	-121.730947 °
DWR ID	503				
Comment Code					
Inspector Comment					
DS_ID:503 FS_ID:55644 EP_NO: 10252 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/06/2013 owner of pipe needs to clean out obstruction in pipe. (C. Lund - DWR Sacramento Yard) 04/04/2012 Partially obstructed with sedimentation throughout crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.86] authorized under Automatic Board Order (ABO) issued as Permit No. 10252, 1974 - John F. Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.86). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 108+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 10:55:40 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55644\_82263.jpg



LS levee slope, headwall, and pipe end

LM Start	<b>5.84</b>	Rating **	A/W	Issue No.	<b>53</b>
LM End	<b>5.86</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518475 °	38.518478 °
				-121.732822 °	-121.733200 °
DWR ID	DWR_ST0007_01_f_ 2017_53				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Adjacent ag field is currently planted, but not along encroached area. Condition should be monitored.					

Photo 1 of 3 : FA\_2019\_ST0007\_282\_53\_20190826\_00015.jpg



View looking upstream. Vegetation has encroached on the toe that is covering past evidence of agricultural tilling (September 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.84</b>	Rating **	A/W	Issue No.	<b>53 (cont)</b>
LM End	<b>5.86</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518475°	38.518478°
				-121.732822°	-121.733200°
DWR ID	DWR_ST0007_01_f_2017_53				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Adjacent ag field is currently planted, but not along encroached area. Condition should be monitored.					

Photo 2 of 3 : FA\_2019\_ST0007\_282\_53\_20190826\_00016.jpg



Agricultural tilling has encroached into landside levee toe. Activity should cease and toe should be repaired.

LM Start	<b>5.84</b>	Rating **	A/W	Issue No.	<b>53 (cont)</b>
LM End	<b>5.86</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA\_2019\_ST0007\_282\_53\_20190826\_00017.jpg



Field not currently planted in area were tilling previously encroached on levee toe. Continue to monitor. Toe should be repaired.

LM Start	<b>6.10</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>6.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518382°	38.518245°
				-121.737488°	-121.744022°
DWR ID	DWR_ST0007_01_f_2019_47				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on landside toe.					

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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.45</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>6.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.518208 °	38.518208 °
				-121.743990 °	-121.743990 °
DWR ID	505				
Comment Code					
Inspector Comment					
DS_ID:505 FS_ID:55647 EP_NO: 10253 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Levee toe erosion on both sides of headwall on WS. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 10.4 feet below the crown. Slide gate on the waterside (WS), and concrete headwalls on both the WS and the landside (LS). (24-inch pipe [HLM 6.57] authorized under Automatic Board Order (ABO) issued as Permit No. 10253, 1974 - Lester J. Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.57. USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 145+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 11:07:35 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55647\_82273.jpg



View of LS looking from levee crown

LM Start	<b>6.45</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>6.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55647\_82274.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.45</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>6.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.518208 °	38.518208 °
				-121.743990 °	-121.743990 °
DWR ID	505				
Comment Code					
Inspector Comment					
DS_ID:505 FS_ID:55647 EP_NO: 10253 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Levee toe erosion on both sides of headwall on WS. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 10.4 feet below the crown. Slide gate on the waterside (WS), and concrete headwalls on both the WS and the landside (LS). (24-inch pipe [HLM 6.57] authorized under Automatic Board Order (ABO) issued as Permit No. 10253, 1974 - Lester J. Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.57. USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 145+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/22/2019 11:07:35 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55647\_82275.jpg



WS levee slope, headwall, and slide gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.48</b>	Rating **	M	Issue No.	<b>77</b>
LM End	<b>6.48</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.518120°	38.518120°	
			-121.744570°	-121.744570°	
DWR ID	506				
Comment Code					
Inspector Comment					
DS_ID:506 FS_ID:55661 EP_NO: 10820 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/22/2019 Missing gas line marker on waterside. Landside marker needs a repair. (O.Yakimov - DWR UCIP)04/09/2012 Sign on LS bent over and broken. New signs need to be installed locating pipe that indicate a gas line crossing. The broken or missing signs do not indicate gasoline, only owner info. Owner is Calpine NRG Scott Vickers 707-249-9211. Supervisor will call phone number and ask for new signs to be installed. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch coated steel gas line through the levee, 2 feet below the crown. (4-inch pipe authorized under Permit No. 10820, 1975 - Dow Chemical). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/22/2019 12:30:14 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_55661\_82336.jpg



LS:sign post bent over in a ditch at toe

LM Start	<b>6.48</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>6.48</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_55661\_82337.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.63</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.517746°	38.517647°	
			-121.747220°	-121.748679°	
DWR ID	DWR_ST0007_01_s_2012_5				
Comment Code					
FE : Fence					
Inspector Comment					
A chainlink fence is located at the landside toe.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_5\_20191008\_00078.jpg



View of fence at the landside toe (Fall 2019).

LM Start	<b>6.63</b>	Rating **	U	Issue No.	<b>48</b>
LM End	<b>6.87</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.517718°	38.517628°	
			-121.747298°	-121.751802°	
DWR ID	DWR_ST0007_01_f_2019_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_48\_20191008\_00079.jpg



View looking upstream of thick vegetation at the bottom of the landside slope (Fall 2019).

LM Start	<b>6.88</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>6.93</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.517362°	38.517355°	
			-121.751778°	-121.752824°	
DWR ID	DWR_ST0007_01_f_2018_34				
Comment Code					
Inspector Comment					
2017 Site ID: PUC 7.2 L Status: Eroding 2017 Field Notes: New erosion along lower bank. Site History: 2011 - The toe to mid-bank is slumping. Large tree pop-outs have furthered the erosion. Slope is slightly steeper than 1:1.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_34\_20190826\_00006.jpg



View looking upstream at erosion at the waterside toe. Tree roots are exposed (September 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	<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.89</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.517513 °	38.517513 °
				-121.752023 °	-121.752023 °
DWR ID	DWR_ST0007_01_f_2017_56				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>6.90</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>6.96</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517594 °	38.517709 °
				-121.752335 °	-121.753241 °
DWR ID	DWR_ST0007_01_s_2013_15				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has no CVFPB Permit.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_15\_20190826\_00005.jpg



View of fence (September 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.95</b>	Rating **	M	Issue No.	<b>78 (cont)</b>
LM End	<b>6.95</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.517679 °	38.517679 °
				-121.753146 °	-121.753146 °
DWR ID	508				
Comment Code					
Inspector Comment					
DS_ID:508 FS_ID:55664 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined drainage pipe of an unknown material through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete Apron on the WS. (24-inch pipe [HLM 7.09] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.09). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 172+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/22/2019 1:55:30 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55664\_82345.jpg



View of LS looking from levee crown

LM Start	<b>6.95</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>7.18</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517651 °	38.518178 °
				-121.753195 °	-121.757311 °
DWR ID	DWR_ST0007_01_s_2019_41				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on waterside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_41\_20190826\_00011.jpg



View looking upstream at barbed wire fence on waterside shoulder (Spring 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.04</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>7.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.517867°	38.518173°
				-121.754738°	-121.756818°
DWR ID	DWR_ST0007_01_f_2019_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_49\_20191008\_00080.jpg



View looking upstream at vegetation on the landside slope (Fall 2019).

LM Start	<b>7.15</b>	Rating **	M	Issue No.	<b>79</b>
LM End	<b>7.15</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518166°	38.518166°
				-121.756850°	-121.756850°
DWR ID	509				
Comment Code					
Inspector Comment					
DS_ID:509 FS_ID:55665 EP_NO: 1603 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch gas line of an unknown material through the levee, 5 feet below the crown. Standpipe and valve on the waterside (WS) slope. Gas line markers found on both sides of levee. (10-inch line authorized under Automatic Board Order (ABO) issued as Permit No. 10257, 1974 - Pacific Gas and Electric Company [PG&E]. Originally covered under Permit No. 1603, 1951 - PG&E). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.31), USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station ~ 182+79 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/22/2019 1:16:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55665\_82348.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	7.15	Rating **	M	Issue No.	79 (cont)
LM End	7.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518166°	38.518166°
				-121.756850°	-121.756850°
DWR ID	509				
Comment Code					
Inspector Comment					
DS_ID:509 FS_ID:55665 EP_NO: 1603 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch gas line of an unknown material through the levee, 5 feet below the crown. Standpipe and valve on the waterside (WS) slope. Gas line markers found on both sides of levee. (10-inch line authorized under Automatic Board Order (ABO) issued as Permit No. 10257, 1974 - Pacific Gas and Electric Company [PG&E]. Originally covered under Permit No. 1603, 1951 - PG&E). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.31). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station ~ 182+79 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/22/2019 1:16:00 PM					

Photo 2 of 3 : UCIP\_FA\_2019\_55665\_82349.jpg



Gas line marker on WS away from levee

LM Start	7.15	Rating **	M	Issue No.	79 (cont)
LM End	7.15	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_55665\_82350.jpg



Gas line marker on east side of Old Davis Rd

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.18</b>	Rating **	M	Issue No.	<b>80 (cont)</b>	
LM End	<b>7.18</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.518181°	38.518181°	
				-121.757309°	-121.757309°	
DWR ID	512					
Comment Code						
Inspector Comment						
DS_ID:512 FS_ID:55667 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/07/2013 Debris removed from outlet (C. Lund - DWR Sacramento Yard) 04/04/2012 Some debris blocking outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined drainage pipe of an unknown material through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch [HLM 7.36] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.36). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 183+97 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 2:33:12 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55667\_82356.jpg



LS levee slope, headwall, and pipe end

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.18</b>	Rating **	U	Issue No.	<b>81</b>
LM End	<b>7.18</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518200°	38.518200°
				-121.757402°	-121.757402°
DWR ID	511				
Comment Code					
Inspector Comment					
DS_ID:511 FS_ID:55668 EP_NO: 3289 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Flap gate isn't closing properly leaving a gap for backflow. Flap gate needs adjustment or replacement. (O.Yakimov - DWR UCIP) 04/04/2012 Installed 113 feet west of centerline of Old Davis Road. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel sewer pipe through the levee, 17.5 feet below the crown. Flap gate and grouted spillway on the waterside (WS) end. Fenced in area on the landside (LS) toe with appurtenances. (18-inch pipe authorized under Permit No. 3289, 1960 - The Regents of the University of California). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 3:14:38 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55668\_82359.jpg



LS view: control valves and electrical equipment

LM Start	<b>7.18</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>7.18</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55668\_82360.jpg



Powered control valve in fenced area near 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.18</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>7.18</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518200°	38.518200°
				-121.757402°	-121.757402°
DWR ID	511				
Comment Code					
Inspector Comment					
DS_ID:511 FS_ID:55668 EP_NO: 3289 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Flap gate isn't closing properly leaving a gap for backflow. Flap gate needs adjustment or replacement. (O.Yakimov - DWR UCIP) 04/04/2012 Installed 113 feet west of centerline of Old Davis Road. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel sewer pipe through the levee, 17.5 feet below the crown. Flap gate and grouted spillway on the waterside (WS) end. Fenced in area on the landside (LS) toe with appurtenances. (18-inch pipe authorized under Permit No. 3289, 1960 - The Regents of the University of California). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 3:14:38 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55668\_82361.jpg



Outlet in riverbank approximately 400 feet south of levee

LM Start	<b>7.33</b>	Rating **	M	Issue No.	<b>82</b>
LM End	<b>7.33</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518440°	38.518440°
				-121.760027°	-121.760027°
DWR ID	17762				
Comment Code					
Inspector Comment					
DS_ID:17762 FS_ID:55670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP)04/04/2012 No Permit identified for crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. 5-inch OD steel conduit attached to east side of railroad bridge No permit identified. FS Date: 10/21/2019					

Photo 1 of 3 : UCIP\_FA\_2019\_55670\_82365.jpg



5-inch-OD conduit on east side of RR bridge

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.34</b>	Rating **	M	Issue No.	<b>83</b>
LM End	<b>7.34</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.518480 °	38.518480 °	
			-121.760330 °	-121.760330 °	
DWR ID	514				
Comment Code					
Inspector Comment					
DS_ID:514 FS_ID:55671 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/21/2019 Gas line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)05/07/2013 Indication marker not being present is not a flood hazard. Supervisor will call permittee. (C. Lund - DWR Sacramento Yard) 04/05/2012 This pipeline needs to be marked as it was installed. There is no indication of location in the field. Indication marker not being present is not a flood hazard. Supervisor will call permittee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 14-inch gas line of an unknown material through the levee, 3 feet below the crown and under the channel. (14-inch line authorized under Permit No. 5858, 1967 - Southern Pacific Pipe Lines, Inc.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 3:47:23 PM					

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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.35</b>	Rating **	M	Issue No.	<b>84</b>
LM End	<b>7.35</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518496°	38.518496°
				-121.760411°	-121.760411°
DWR ID	515				
Comment Code					
Inspector Comment					
DS_ID:515 FS_ID:55672 EP_NO: 10257 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/21/2019 ABO permit for this crossing. FIELD_STRUCT_DESC: 6-inch gas line of an unknown material through the levee, 5 feet below the crown and under the channel. Valve in 14-inch riser on the waterside (WS) toe. Markers on the landside (LS) shoulder and toe. (6-inch line authorized under Automatic Board Order (ABO) issued as Permit No. 10257, 1974 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.52). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station ~ 193+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 3:53:27 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55672\_82369.jpg



View of LS looking from levee crown

LM Start	<b>7.35</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>7.35</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55672\_82370.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.35</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>7.35</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.518496°	38.518496°
				-121.760411°	-121.760411°
DWR ID	515				
Comment Code					
Inspector Comment					
DS_ID:515 FS_ID:55672 EP_NO: 10257 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/21/2019 ABO permit for this crossing. FIELD_STRUCT_DESC: 6-inch gas line of an unknown material through the levee, 5 feet below the crown and under the channel. Valve in 14-inch riser on the waterside (WS) toe. Markers on the landside (LS) shoulder and toe. (6-inch line authorized under Automatic Board Order (ABO) issued as Permit No. 10257, 1974 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.52). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station ~ 193+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 3:53:27 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55672\_82371.jpg



Valve on post and valve in 14-inch riser at WS levee 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.35</b>	Rating **	M	Issue No.	<b>85 (cont)</b>
LM End	<b>7.35</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.518510 °	38.518510 °	
			-121.760474 °	-121.760474 °	
DWR ID	516				
Comment Code					
Inspector Comment					
DS_ID:516 FS_ID:55673 EP_NO: 10260 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/07/2013 Owner of pipe may have to clean sediment. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe is partially obstructed with sedimentation. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. (24-inch pipe [HLM 7.52] authorized under Automatic Board Order (ABO) issued as Permit No. 10260, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.52). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 193+20 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 4:00:06 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55673\_82374.jpg



View of WS looking from levee crown

LM Start	<b>7.39</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>7.85</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.518659 °	38.518570 °	
			-121.761060 °	-121.769577 °	
DWR ID	DWR_ST0007_01_s_ 2019_42				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the landside.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_42\_20190826\_00012.jpg



View looking downstream at barbed wire fence located within the landside easment (Spring 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.56</b>	Rating **	M	Issue No.	<b>86 (cont)</b>	
LM End	<b>7.56</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.519002°	38.519002°	
				-121.764315°	-121.764315°	
DWR ID	518					
Comment Code						
Inspector Comment						
DS_ID:518 FS_ID:55675 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Difficult access to pipe inlet on LS due to a fence. (O.Yakimov - DWR UCIP)05/07/2013 Fence blocking inlet. Owner of fence needs to move fence away from inlet. (C. Lund - DWR Sacramento Yard) 04/05/2012 Clear debris from pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 7.75] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.75). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 204+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 8:27:02 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55675\_82385.jpg



WS: headwall and slide gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.97</b>	Rating **	M	Issue No.	<b>88</b>
LM End	<b>7.97</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.518860 °	38.518860 °	
			-121.771610 °	-121.771610 °	
DWR ID	599				
Comment Code					
Inspector Comment					
DS_ID:599 FS_ID:55677 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/21/2019 Crossing not found (O.Yakimov - DWR UCIP)04/05/2012 Likely removed as part of I-80 construction as no evidence remains of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, at an unknown depth. Two corrugated metal cutoff walls, two reinforced concrete headwalls, and one saddle and apron. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 225+15 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, December 1947]. FS Date: 10/21/2019 8:51:24 AM					

No Photos

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>7.98</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.518920 °	38.518920 °	
			-121.771850 °	-121.771850 °	
DWR ID	519				
Comment Code					
Inspector Comment					
DS_ID:519 FS_ID:55678 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Sediment buildup inside the pipe and its outlet. Remove sediment and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 36-inch steel pressure pipe through the levee, 3.5 feet below the crown. Air valve in 24-inch corrugated metal pipe (CMP) on the landside (LS), and a concrete spillway on the waterside (WS) end with concrete drop box at outlet. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005, 42-inch pipe listed]. FS Date: 10/21/2019 8:52:38 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55678\_82390.jpg



Standpipe and air vent at WS 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>7.98</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.518920 °	38.518920 °	
			-121.771850 °	-121.771850 °	
DWR ID	519				
Comment Code					
Inspector Comment					
DS_ID:519 FS_ID:55678 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Seediment buildup inside the pipe and its outlet. Remove sediment and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 36-inch steel pressure pipe through the levee, 3.5 feet below the crown. Air valve in 24-inch corrugated metal pipe (CMP) on the landside (LS), and a concrete spillway on the waterside (WS) end with concrete drop box at outlet. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005, 42-inch pipe listed]. FS Date: 10/21/2019 8:52:38 AM					

Photo 2 of 3 : UCIP\_FA\_2019\_55678\_82391.jpg



WS: pipe and spillway below drop box

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>7.98</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_55678\_82392.jpg



Sediment buildup inside the pipe and in the spillway

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.28</b>	Rating **	M	Issue No.	<b>90</b>
LM End	<b>8.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.521246°	38.521246°	
			-121.776434°	-121.776434°	
DWR ID	520				
Comment Code					
Inspector Comment					
DS_ID:520 FS_ID:55679 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/07/2012 Cleaned inlet and outlets. Owner of pipe may need to clean pipe. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe is plugged with soil on LS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate on the waterside (WS) end. (24-inch pipe [HLM 8.45] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005 (HLM 8.45). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 241+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, December 1947]. FS Date: 10/21/2019 10:02:10 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55679\_82393.jpg



View of levee crown at the crossing

LM Start	<b>8.28</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>8.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55679\_82394.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.28</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>8.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.521246°	38.521246°	
			-121.776434°	-121.776434°	
DWR ID	520				
Comment Code					
Inspector Comment					
DS_ID:520 FS_ID:55679 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/07/2012 Cleaned inlet and outlets. Owner of pipe may need to clean pipe. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe is plugged with soil on LS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate on the waterside (WS) end. (24-inch pipe [HLM 8.45] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005 (HLM 8.45). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 241+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, December 1947]. FS Date: 10/21/2019 10:02:10 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55679\_82395.jpg



View of WS looking from levee crown

LM Start	<b>8.32</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>8.62</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.521613°	38.523854°	
			-121.777127°	-121.781915°	
DWR ID	DWR_ST0007_01_s_2019_38				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the landside.					

Photo 1 of 1 : FA\_2019\_ST0007\_282\_38\_20190826\_00008.jpg



View looking downstream at barbed wire fence on the landside easment (Spring 2019).

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.33</b>	Rating **	M	Issue No.	<b>91</b>
LM End	<b>8.33</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.521660 °	38.521660 °	
			-121.777203 °	-121.777203 °	
DWR ID	521				
Comment Code					
Inspector Comment					
DS_ID:521 FS_ID:55680 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/07/2013 Removed material at slidegate and inlet. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe is partially blocked by sedimentation and slide gate will not open. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate on the waterside (WS) end. Headwalls on both ends. (24-inch pipe [HLM 8.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents. Also mentioned in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005 (HLM 8.50). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 244+20 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, December 1947]. FS Date: 10/21/2019 11:46:58 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55680\_82398.jpg



View of WS looking from levee crown

LM Start	<b>8.33</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>8.33</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55680\_82399.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.33</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>8.33</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.521660 °	38.521660 °
				-121.777203 °	-121.777203 °
DWR ID	521				
Comment Code					
Inspector Comment					
DS_ID:521 FS_ID:55680 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/07/2013 Removed material at slidegate and inlet. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe is partially blocked by sedimentation and slide gate will not open. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate on the waterside (WS) end. Headwalls on both ends. (24-inch pipe [HLM 8.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents. Also mentioned in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005 (HLM 8.50). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 244+20 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, December 1947]. FS Date: 10/21/2019 11:46:58 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55680\_82400.jpg



LS levee slope, headwall, and pipe end

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.52</b>	Rating **	M	Issue No.	<b>92</b>
LM End	<b>8.52</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.523210°	38.523210°	
			-121.780170°	-121.780170°	
DWR ID	522				
Comment Code					
Inspector Comment					
DS_ID:522 FS_ID:55681 EP_NO: 5896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Sediment buildup around pipe outlet prevents flap gate from opening. (O. Yakimov - DWR UCIP)05/07/2013 Inspected inlet of pipe from other side of fence. Outlet discharge under elderberry. Need permit to cut veg. (C. Lund - DWR Sacramento Yard) 04/05/2012 Fence prevents access to pipe. Pipe likely needs to be cleared of sedimentation. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 3.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 12:48:47 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55681\_82403.jpg



View of LS looking from levee crown

LM Start	<b>8.52</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>8.52</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55681\_82404.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.52</b>	Rating **	M	Issue No.	<b>92 (cont)</b>	
LM End	<b>8.52</b>	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.523210°	38.523210°	
				-121.780170°	-121.780170°	
DWR ID	522					
Comment Code						
Inspector Comment						
DS_ID:522 FS_ID:55681 EP_NO: 5896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Sediment buildup around pipe outlet prevents flap gate from opening. (O. Yakimov - DWR UCIP)05/07/2013 Inspected inlet of pipe from other side of fence. Outlet discharge under elderberry. Need permit to cut veg. (C. Lund - DWR Sacramento Yard) 04/05/2012 Fence prevents access to pipe. Pipe likely needs to be cleared of sedimentation. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 3.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 12:48:47 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55681\_82405.jpg



Sediment and debris buildup around flap gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.58</b>	Rating **	M	Issue No.	<b>93 (cont)</b>	
LM End	<b>8.58</b>	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.523630 °	38.523630 °	
				-121.781150 °	-121.781150 °	
DWR ID	616					
Comment Code						
Inspector Comment						
DS_ID:616 FS_ID:55682 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/21/2019 Crossing not found. Location of standpipe at the gate does not correspond to station number for this crossing found in as-built. This pipe is a candidate for electromagnetic survey. (O.Yakimov - DWR UCIP)04/05/2012 found 8-inch standpipe north of Levee gate at LAT: 38.52393499 Long: -121.78208740. Also found a T-post on the downhill slope below the 8-inch standpipe on WS. However, no pipe was found. The actual pipe location is likely between the gate and the location shown in the O+M manual and reported on this form. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch corrugated metal pipe of unknown purpose, referenced in the O&M manual, through the levee, at an unknown depth. Construction drawings show a 24-inch irrigation pipe at the site. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 258+12 PCT), 8-inch pipe referenced. USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, 24-inch pipe referenced on levee alignment, December 1947]. FS Date: 10/21/2019 12:56:46 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55682\_82409.jpg



View of WS berm looking towards the gate where 8-inch standpipe found

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	10/08/2019 10/08/2019	David Julian

LM Start	<b>8.69</b>	Rating **	M	Issue No.	<b>94</b>
LM End	<b>8.69</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.523999 °	38.523999 °	
			-121.783037 °	-121.783037 °	
DWR ID	523				
Comment Code					
Inspector Comment					
DS_ID:523 FS_ID:55684 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Pipe inlet is closed with steel plate bolted to headwall in drainage canal on LS. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 48-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Steel plate installed over inlet off the landside (LS) toe. Pipe not grouted. Flap gate on waterside (WS) end. Headwalls on both ends. (48-inch pipe [HLM 8.88] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005 (HLM 8.88). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 262+30 PCT), 48-inch pipe referenced. USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, 24-inch pipe referenced on levee alignment, December 1947]. FS Date: 10/21/2019 1:46:45 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55684\_82410.jpg



WS levee slope, headwall, and flap gate

LM Start	<b>8.69</b>	Rating **	M	Issue No.	<b>94 (cont)</b>
LM End	<b>8.69</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55684\_82411.jpg



Steel plate installed over pipe off 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**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Sacramento Maintenance Yard Putah Creek**

Waterway		Bank	Unit Miles	
Unit No. 02 Putah Creek or South Levee		Right	7.20	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/18/2019 - 4/18/2019		10/8/2019 - 10/8/2019	
DWR Inspector	David Julian		David Julian	
Accompanied By	James McCabe DWR Sacramento Maintenance Yard		Jimmy Kortuem Sacramento Maintenance Yard	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.507320°	38.507320°	
			-121.662799°	-121.662799°	
DWR ID	16631				
Comment Code					
Inspector Comment					
DS_ID:16631 FS_ID:55423 EP_NO: 10275 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10275. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal irrigation pipe through the levee, crossing at angle, 11 feet below the crown. Slide gate on waterside (WS) end. (24-inch pipe [HLM 0.20] authorized under Automatic Board Order (ABO) issued as Permit No. 10275, 1974 - Mary Pereira). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.20). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 12+65). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 20, Sheet 4, December 1947]. FS Date: 10/22/2019 8:50:15 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55423\_81633.jpg



View of LS looking from levee crown

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55423\_81634.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.507320°	38.507320°
				-121.662799°	-121.662799°
DWR ID	16631				
Comment Code					
Inspector Comment					
DS_ID:16631 FS_ID:55423 EP_NO: 10275 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10275. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal irrigation pipe through the levee, crossing at angle, 11 feet below the crown. Slide gate on waterside (WS) end. (24-inch pipe [HLM 0.20] authorized under Automatic Board Order (ABO) issued as Permit No. 10275, 1974 - Mary Pereira). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.20). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 12+65). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 20, Sheet 4, December 1947]. FS Date: 10/22/2019 8:50:15 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55423\_81635.jpg



Headwall and slide gate at WS levee toe

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.510249°	38.510249°
				-121.667551°	-121.667551°
DWR ID	DWR_ST0007_02_s_2013_29				
Comment Code					
FE : Fence					
Inspector Comment					
There is no CVFPB Permit for this gate. DWR - Sac Maintenance Yard installed this gate a few years ago.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_29\_20191008\_00068.jpg



View looking downstream at gate on the crown (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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>0.56</b>	Rating **	U	Issue No.	<b>44</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.510277°	38.510277°	
			-121.667693°	-121.667693°	
DWR ID	DWR_ST0007_02_f_2019_44				
Comment Code					
MA : Material					
Inspector Comment					
Old telephone poles are on the landside toe.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_44\_20191008\_00067.jpg



View of telephone poles at the landside toe (Fall 2019).

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.510700°	38.510700°	
			-121.672410°	-121.672410°	
DWR ID	16621				
Comment Code					
Inspector Comment					
DS_ID:16621 FS_ID:55424 EP_NO: 10270 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Crossing visually is in good condition. 12-inch diameter through hole has developed due to soil instability on WS berm visible on the top of pipe outlet embankment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (36-inch pipe [HLM 0.85] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.85). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station T 1+45). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 21, Sheet 5, December 1947]. FS Date: 10/22/2019 9:59:31 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55424\_81638.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.510700°	38.510700°
				-121.672410°	-121.672410°
DWR ID	16621				
Comment Code					
Inspector Comment					
DS_ID:16621 FS_ID:55424 EP_NO: 10270 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Crossing visually is in good condition. 12-inch diameter through hole has developed due to soil instability on WS berm visible on the top of pipe outlet embankment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (36-inch pipe [HLM 0.85] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.85). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station T 1+45). USACE As-Built Drawing No. 50-04-2396, Revision 1, pdf page 21, Sheet 5, December 1947]. FS Date: 10/22/2019 9:59:31 AM					

Photo 2 of 3 : UCIP\_FA\_2019\_55424\_81639.jpg



View of LS looking from levee crown

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_55424\_81640.jpg



Headwall and pipe 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 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.05</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.511402°	38.511598°	
			-121.675727°	-121.676413°	
DWR ID	DWR_ST0007_02_f_2016_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This ag equipment and materials should be moved at least 10 feet away from the LS levee toe.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_23\_20190826\_00003.jpg



Levee mile 1.01 landside toe looking upstream.

LM Start	<b>1.15</b>	Rating **	U	Issue No.	<b>32</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.512052°	38.512052°	
			-121.678188°	-121.678188°	
DWR ID	DWR_ST0007_02_f_2018_32				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There were a couple new rodent holes with fresh dirt but less than Fall 2018.					

Photo 1 of 2 : FA\_2019\_ST0007\_283\_32\_20191008\_00066.jpg



View looking downslope at animal hole with fresh dirt (Fall 2019).

LM Start	<b>1.15</b>	Rating **	U	Issue No.	<b>32 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_ST0007\_283\_32\_20190826\_00010.jpg



View looking downstream at multiple animal holes on the levee slope (September 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	<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.514105°	38.515405°	
			-121.685437°	-121.694045°	
DWR ID	DWR_ST0007_02_f_2019_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.514220°	38.514220°	
			-121.685880°	-121.685880°	
DWR ID	16622				
Comment Code					
Inspector Comment					
DS_ID:16622 FS_ID:55426 EP_NO: 10270 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Overgrown vegetation in LS drainage canal - unable to see pipe inlet at LS toe. (O.Yakimov - DWR UCIP)09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10270. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal irrigation pipe through the levee, 16 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 1.64] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.64). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station P 233+00). USACE As-Built Drawing No. 50-04-2396, Revision 3, pdf page 22, Sheet 6, December 1947]. FS Date: 10/22/2019 10:33:28 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55426\_81648.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.514220°	38.514220°	
			-121.685880°	-121.685880°	
DWR ID	16622				
Comment Code					
Inspector Comment					
DS_ID:16622 FS_ID:55426 EP_NO: 10270 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/22/2019 Overgrown vegetation in LS drainage canal - unable to see pipe inlet at LS toe. (O.Yakimov - DWR UCIP)09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10270. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal irrigation pipe through the levee, 16 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 1.64] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.64). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station P 233+00). USACE As-Built Drawing No. 50-04-2396, Revision 3, pdf page 22, Sheet 6, December 1947]. FS Date: 10/22/2019 10:33:28 AM					

Photo 2 of 3 : UCIP\_FA\_2019\_55426\_81649.jpg



View of WS looking from levee crown

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_55426\_81650.jpg



WS levee slope, headwall and slide gate

<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**

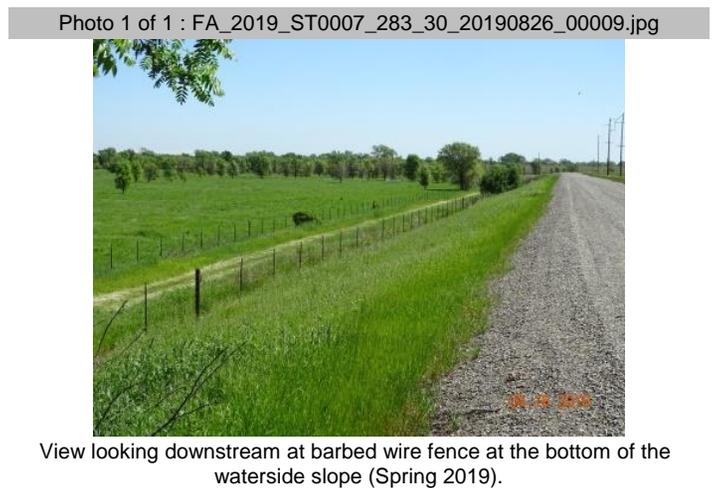
**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.514240°	38.515438°	
			-121.685957°	-121.694916°	
DWR ID	DWR_ST0007_02_s_2019_37				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the landside toe.					



LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.514372°	38.515443°	
			-121.686399°	-121.694841°	
DWR ID	DWR_ST0007_02_s_2019_30				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the waterside toe.					



LM Start	<b>1.86</b>	Rating **	C	Issue No.	<b>38</b>
LM End	<b>1.86</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.515212°	38.515212°	
			-121.690704°	-121.690704°	
DWR ID	DWR_ST0007_02_s_2019_38				
Comment Code					
PR : Prunings					
Inspector Comment					
There is a large pruning pile on the landside.					

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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>2.00</b>	Rating **	A/W	Issue No.	<b>9</b>
LM End	<b>2.09</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515356 °	38.515456 °
				-121.693168 °	-121.694817 °
DWR ID	DWR_ST0007_02_s_2013_9				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are no indications of recent rodent activity. Bait stations have been removed. Area should be monitored.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_9\_20190826\_00001.jpg



Rodent bait station at LM 2.09.

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>2.09</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515440 °	38.515440 °
				-121.694920 °	-121.694920 °
DWR ID	16624				
Comment Code					
Inspector Comment					
DS_ID:16624 FS_ID:55428 EP_NO: 10268 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/23/2019 Crossing looks abandoned. Headwall and pipe next to the headwall at LS toe is exposed. Pile of tree trimming put on LS along pipe alignment. Unable to locate 10-inch standpipe with gate valve on LS. (O.Yakimov - DWR UCIP)04/09/2012 It is apparent that there is an irrigation pipe sleeved through the 25-inch pipe, but size cannot be determined. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 13 feet below the crown. Gate valve on the landside (LS) in 10-inch concrete standpipe. 36-inch standpipe on the waterside (WS) toe. Headwall on the LS toe. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10268, 1974 - Dow Chemical Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.16). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station P 265+70). USACE As-Built Drawing No. 50-04-2396, Revision 3, pdf page 22, Sheet 6, December 1947]. FS Date: 10/23/2019 12:08:26 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55428\_81655.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>5.18</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.515407°	38.515363°
				-121.695905°	-121.750543°
DWR ID	DWR_ST0007_02_f_2019_26				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Regrade levee crown.					

No Photos

LM Start	<b>2.22</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>2.60</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.515408°	38.514877°
				-121.695928°	-121.703047°
DWR ID	DWR_ST0007_02_f_2019_42				
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  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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>2.65</b>	Rating **	U	Issue No.	<b>53 (cont)</b>
LM End	<b>2.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.514865°	38.514865°
				-121.703839°	-121.703839°
DWR ID	16625				
Comment Code					
Inspector Comment					
DS_ID:16625 FS_ID:55411 EP_NO: 10277 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2019 A PVC pipe runs through a drainage pipe from LS to WS levee toe. Slide gate cannot be closed properly to prevent flooding on LS. Remove PVC pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 2.71] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.71). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 30+15 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947]. FS Date: 10/21/2019 11:18:53 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55411\_81621.jpg



Headwall and slidegate at WS toe with a PVC pipe running through

LM Start	<b>2.72</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>3.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.514887°	38.515145°
				-121.705197°	-121.713348°
DWR ID	DWR_ST0007_02_f_2019_36				
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	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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.04</b>	Rating **	U	Issue No.	<b>54</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.515080°	38.515080°	
			-121.711050°	-121.711050°	
DWR ID	16626				
Comment Code					
Inspector Comment					
DS_ID:16626 FS_ID:55412 EP_NO: 10277 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2019 A PVC pipe runs through a drainage pipe from LS to WS levee toe. Slide gate cannot be closed properly to prevent flooding on LS. Remove PVC pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.11). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 50+72 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947]. FS Date: 10/21/2019 1:30:39 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55412\_81623.jpg



View of LS from levee crown

LM Start	<b>3.04</b>	Rating **	U	Issue No.	<b>54 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55412\_81624.jpg



View of WS from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.04</b>	Rating **	U	Issue No.	<b>54 (cont)</b>	
LM End	<b>3.04</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.515080°	38.515080°	
				-121.711050°	-121.711050°	
DWR ID	16626					
Comment Code						
Inspector Comment						
DS_ID:16626 FS_ID:55412 EP_NO: 10277 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2019 A PVC pipe runs through a drainage pipe from LS to WS levee toe. Slide gate cannot be closed properly to prevent flooding on LS. Remove PVC pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.11). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 50+72 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 23, Sheet 7, December 1947]. FS Date: 10/21/2019 1:30:39 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55412\_81625.jpg



Headwall and slidegate at WS toe with a PVC pipe running through

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>3.18</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515162°	38.515162°
				-121.713653°	-121.713653°
DWR ID	16734				
Comment Code					
Inspector Comment					
DS_ID:16734 FS_ID:55432 EP_NO: 2273 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/21/2019 10-inch steel irrigation pipe not found. Please refer to another crossing at this location dsid 16627. (O.Yakimov - DWR UCIP)04/06/2012 10-inch looks like it was removed from crown but evidence of connection remains on manifold from pump. No evidence remains on WS slope or toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation pipe through the levee, 2 feet below the crown. Pump on well on the landside (LS). Manifold on LS toe with takeoff for 10-inch pipe. Siphon breaker on the waterside (WS) shoulder. (10-inch pipe authorized under Permit No. 2273, 1956 - P. W. Schoeningh). FS Date: 10/21/2019 10:01:29 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55432\_81676.jpg



View of LS at the crossing looking from levee crown

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>3.18</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55432\_81677.jpg



Mobile gas pump outlet pipe is disconnected

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>3.18</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515162°	38.515162°
				-121.713653°	-121.713653°
DWR ID	16734				
Comment Code					
Inspector Comment					
DS_ID:16734 FS_ID:55432 EP_NO: 2273 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/21/2019 10-inch steel irrigation pipe not found. Please refer to another crossing at this location dsid 16627. (O.Yakimov - DWR UCIP)04/06/2012 10-inch looks like it was removed from crown but evidence o fconnection remains on manifold from pump. No evidence remains on WS slope or toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation pipe through the levee, 2 feet below the crown. Pump on well on the landside (LS). Manifold on LS toe with takeoff for 10-inch pipe. Siphon breaker on the waterside (WS) shoulder. (10-inch pipe authorized under Permit No. 2273, 1956 - P. W. Schoeningh). FS Date: 10/21/2019 10:01:29 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55432\_81673.jpg



View of LS from levee crown

LM Start	<b>3.48</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>4.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.515303°	38.515802°
				-121.719170°	-121.738805°
DWR ID	DWR_ST0007_02_f_2019_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation.					

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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>3.93</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.515620 °	38.515620 °	
			-121.727540 °	-121.727540 °	
DWR ID	16628				
Comment Code					
Inspector Comment					
DS_ID:16628 FS_ID:55433 EP_NO: 10269 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10269. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal irrigation pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 4.02] authorized under Automatic Board Order (ABO) issued as Permit No. 10269, 1974 - Joseph Fahn). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.02). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 98+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/21/2019 9:01:36 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55433\_81684.jpg



View of LS looking from levee crown

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>3.93</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55433\_81685.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>4.17</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.515770°	38.515770°
				-121.731840°	-121.731840°
DWR ID	16629				
Comment Code					
Inspector Comment					
DS_ID:16629 FS_ID:55434 EP_NO: 10269 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Pipe is partially silted, cleanup pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 4.26] authorized under Automatic Board Order (ABO) issued as Permit No. 10269, 1974 - Joseph Fahn). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.26). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 109+75 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/21/2019 9:16:52 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55434\_81690.jpg



View of LS looking from levee crown

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55434\_81691.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>58 (cont)</b>	
LM End	<b>4.17</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.515770°	38.515770°	
				-121.731840°	-121.731840°	
DWR ID	16629					
Comment Code						
Inspector Comment						
DS_ID:16629 FS_ID:55434 EP_NO: 10269 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Pipe is partially silted, cleanup pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 4.26] authorized under Automatic Board Order (ABO) issued as Permit No. 10269, 1974 - Joseph Fahn). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.26). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 109+75 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/21/2019 9:16:52 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55434\_81688.jpg



LS slope, headwall and pipe at levee 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515780 °	38.515780 °
				-121.731950 °	-121.731950 °
DWR ID	16630				
Comment Code					
Inspector Comment					
DS_ID:16630 FS_ID:55435 EP_NO: 10820 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/21/2019 Missing gas line marker on both sides of levee. (O.Yakimov - DWR UCIP)04/09/2012 Signs for pipeline need to be updated to state Gas line. Current markers are insufficient. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch coated steel natural gas pipeline across the channel and levees of Putah Creek, 2 feet below the crown. Approximately 0.5 mile downstream from Old Davis Road. (4-inch line authorized through levees and across channel under Permit No. 10820, 1975 - Dow Chemical). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 9:25:13 AM					

Photo 3 of 3 : UCIP\_FA\_2019\_55435\_81694.jpg



Closeup view of gas line marker

LM Start	<b>4.66</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>4.66</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.515817 °	38.515817 °
				-121.740942 °	-121.740942 °
DWR ID	DWR_ST0007_02_f_2018_33				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion has not significantly increased from Fall 2018.					

Photo 1 of 2 : FA\_2019\_ST0007\_283\_33\_20191008\_00065.jpg



View of erosion on the levee slope (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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>4.66</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>4.66</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.515817°	38.515817°
				-121.740942°	-121.740942°
DWR ID	DWR_ST0007_02_f_2018_33				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion has not significantly increased from Fall 2018.					

Photo 2 of 2 : FA\_2019\_ST0007\_283\_33\_20190826\_00013.jpg



View of erosion on the levee slope appears to be due to water from the pipe and trench (September 2018).

LM Start	<b>4.66</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>4.66</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.515814°	38.515814°
				-121.741030°	-121.741030°
DWR ID	16644				
Comment Code					
Inspector Comment					
DS_ID:16644 FS_ID:55436 EP_NO: 10271 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS). 36-inch standpipe on the landside (LS). (24-inch pipe [HLM 4.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10271, 1974 - Ray H. Hamel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.77). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 136+40 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 24, Sheet 8, December 1947]. FS Date: 10/21/2019 9:46:01 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55436\_81697.jpg



View of LS looking from levee crown. 36-inch standpipe near levee 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.06</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>5.06</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515327 °	38.515327 °
				-121.748322 °	-121.748322 °
DWR ID	DWR_ST0007_02_s_2019_40				
Comment Code					
MA : Material					
Inspector Comment					
Several pipes need to be removed from slope.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_40\_20190826\_00019.jpg



View of pipes on the waterside slope (Spring 2019).

LM Start	<b>5.07</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>5.07</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.515332 °	38.515332 °
				-121.748533 °	-121.748533 °
DWR ID	16632				
Comment Code					
Inspector Comment					
<p>DS_ID:16632                  FS_ID:55438                  EP_NO: 10279                  Repair Type: Non-Urgent                  Crossing Status: Indicator Found                  UCIP Comments: 10/21/2019 PVC pipe is capped on LS levee slope at the standpipe. Damaged PVC standpipe on WS. (O.Yakimov-DWR UCIP) 04/06/2012 Pipe and headwalls are completely buried on both sides of levee. 15-inch pipe permitted to sleeve through the 24-inch CMP. Indication that 15-inch pipe is at crossing. (W. Wylie - DWR UCIP)                  FIELD_STRUCT_DESC: 15-inch polyvinyl chloride (PVC) irrigation pipe grouted within an existing 24-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (15--inch pipe authorized under Permit No. 17552, 2003 - Albert Martinelli), (24-inch pipe [HLM 5.19] authorized under Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.19). USACE Sacramento O&amp;M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 158+60 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947].                  FS Date: 10/21/2019 10:19:59 AM</p>					

Photo 1 of 3 : UCIP\_FA\_2019\_55438\_81702.jpg



Levee crown at crossing

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.44</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>5.44</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.515369°	38.515369°
				-121.755247°	-121.755247°
DWR ID	16620				
Comment Code					
Inspector Comment					
DS_ID:16620 FS_ID:55439 EP_NO: 10267 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/22/2013 Gate has been oiled and debris removed from outlet on land side. (C. Lund - DWR Sacramento Yard) 04/06/2012 Pipe is partially filled with sediment and slide gate is in need of maintenance as it will not move. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 13 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 5.56] authorized under Automatic Board Order (ABO) issued as Permit No. 10267, 1974 - Davis Laboratories, Inc.). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.56). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 177+60 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 11:46:42 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55439\_81707.jpg



View of LS looking from levee crown

LM Start	<b>5.44</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>5.44</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55439\_81708.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.44</b>	Rating **	M	Issue No.	<b>62 (cont)</b>	
LM End	<b>5.44</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.515369 °	38.515369 °	
				-121.755247 °	-121.755247 °	
DWR ID	16620					
Comment Code						
Inspector Comment						
DS_ID:16620 FS_ID:55439 EP_NO: 10267 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)05/22/2013 Gate has been oiled and debris removed from outlet on land side. (C. Lund - DWR Sacramento Yard) 04/06/2012 Pipe is partially filled with sediment and slide gate is in need of maintenance as it will not move. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 13 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 5.56] authorized under Automatic Board Order (ABO) issued as Permit No. 10267, 1974 - Davis Laboratories, Inc.). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.56). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 177+60 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 11:46:42 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55439\_81709.jpg



WS levee slope, headwall and slide gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.74</b>	Rating **	U	Issue No.	<b>64</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.516000 °	38.516000 °	
			-121.760500 °	-121.760500 °	
DWR ID	16636				

**Comment Code**

**Inspector Comment**

DS\_ID:16636  
 FS\_ID:55419  
 EP\_NO: 10279  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 10/21/2019 A 6-inch hose connected to a water well on LS runs through a drainage pipe from LS to WS. Slide gate cannot be closed properly to prevent flooding on LS. Remove hose. (O.Yakimov - DWR UCIP)05/22/2013 Pipe was cleaned by the owner and 6 in pipe is still being used. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe needs to be cleared of sedimentation. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (name change for existing 24-inch drainpipe and slide gate on WS [HLM 5.89] issued under Permit No. 10279-1, 2012 - Elizabeth Dankworth and Michelle Christison; 24-inch pipe [HLM 5.89] authorized under Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.89). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 193+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947].  
 FS Date: 10/21/2019 1:39:07 PM

LM Start	<b>5.74</b>	Rating **	U	Issue No.	<b>64 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55419\_81628.jpg



View of WS from levee crown

Photo 2 of 3 : UCIP\_FA\_2019\_55419\_81629.jpg



View of LS from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.74</b>	Rating **	U	Issue No.	<b>64 (cont)</b>	
LM End	<b>5.74</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.516000 °	38.516000 °	
				-121.760500 °	-121.760500 °	
DWR ID	16636					
Comment Code						
Inspector Comment						
<p>DS_ID:16636                  FS_ID:55419                  EP_NO: 10279                  Repair Type: Urgent                  Crossing Status: Found                  UCIP Comments: 10/21/2019 A 6-inch hose connected to a water well on LS runs through a drainage pipe from LS to WS. Slide gate cannot be closed properly to prevent flooding on LS. Remove hose. (O.Yakimov - DWR UCIP)05/22/2013 Pipe was cleaned by the owner and 6 in pipe is still being used. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe needs to be cleared of sedimentation. (W. Wylie - DWR UCIP)                  FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (name change for existing 24-inch drainpipe and slide gate on WS [HLM 5.89] issued under Permit No. 10279-1, 2012 - Elizabeth Dankworth and Michelle Christison; 24-inch pipe [HLM 5.89] authorized under Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.89). USACE Sacramento O&amp;M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 193+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947].                  FS Date: 10/21/2019 1:39:07 PM</p>						

Photo 3 of 3 : UCIP\_FA\_2019\_55419\_81630.jpg



WS slope with headwall and slide gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.516110°	38.516110°
				-121.761920°	-121.761920°
DWR ID	16657				
Comment Code					
Inspector Comment					
DS_ID:16657 FS_ID:55442 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/21/2019 Crossing not found (O.Yakimov - DWR UCIP)04/05/2012 No indication in field that pipe remains. May need electromagnetic survey to locate pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, at an unknown depth. Two corrugated metal cutoff walls, one reinforced concrete headwall, and one saddle and apron with cobble paving on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 197+60 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 1:31:42 PM					

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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.516140 °	38.516140 °
				-121.761920 °	-121.761920 °
DWR ID	16637				
Comment Code					
Inspector Comment					
<p>DS_ID:16637                  FS_ID:55443                  EP_NO: 5858                  Repair Type: Non-Urgent                  Crossing Status: Not Found                  UCIP Comments: 10/21/2019 Crossing not found (O.Yakimov - DWR UCIP)04/12/2012 Ken at 916-416-7938 is working issue. (W. Wylie - DWR UCIP)                  04/05/2012 According to owner this pipe is no longer in use but has not been abandoned to our standards. Need pipe company to mark location. Contacted Mark Jensen with Kinder Morgan and they are working to determine what kind of markers they should use to replace the missing ones. (W. Wylie - DWR UCIP)                  FIELD_STRUCT_DESC: 14-inch coated steel petroleum gas pipeline through the levee, 3 feet below the crown and under channel. (14-inch line authorized under Permit No. 5858, 1967 - Southern Pacific Pipe Lines, Inc.). [Additional Reference(s): DWR Levee Log, 2005].                  FS Date: 10/21/2019 1:33:02 PM</p>					

No Photos

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.516171 °	38.516171 °
				-121.762037 °	-121.762037 °
DWR ID	17763				
Comment Code					
Inspector Comment					
<p>DS_ID:17763                  FS_ID:55444                  EP_NO: N/A                  Repair Type: Non-Urgent                  Crossing Status: Indicator Found                  UCIP Comments: 10/21/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP)04/04/2012 No permit identified for this crossing. (W. Wylie - DWR UCIP)                  FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. No permit identified for this crossing. It appears they may be routed under the west side of the railroad bridge inside a 6-inch steel conduit.                  FS Date: 10/21/2019 1:35:50 PM</p>					

Photo 1 of 2 : UCIP\_FA\_2019\_55444\_81714.jpg



Fiber optics line markers on east side of railroad tracks

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.516171 °	38.516171 °
				-121.762037 °	-121.762037 °
DWR ID	17763				
Comment Code					
Inspector Comment					
DS_ID:17763 FS_ID:55444 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/21/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP)04/04/2012 No permit identified for this crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. No permit identified for this crossing. It appears they may be routed under the west side of the railroad bridge inside a 6-inch steel conduit. FS Date: 10/21/2019 1:35:50 PM					

Photo 2 of 2 : UCIP\_FA\_2019\_55444\_81715.jpg



Line marker closeup view

LM Start	<b>5.83</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>5.83</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.516256 °	38.516256 °
				-121.762204 °	-121.762204 °
DWR ID	17764				
Comment Code					
Inspector Comment					
DS_ID:17764 FS_ID:55445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Detached fiber optic cable marker found on LS slope. Missing permit for this crossing and cable marker on waterside. (O.Yakimov - DWR UCIP)04/04/2012 No permit identified for crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: Fiber optics line markers on west side of railroad tracks. No permit identified for this crossing. FS Date: 10/21/2019 1:39:58 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_55445\_81716.jpg



Detached fiber optic line marker on 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.83</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>5.83</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.516256°	38.516256°
				-121.762204°	-121.762204°
DWR ID	17764				
Comment Code					
Inspector Comment					
DS_ID:17764 FS_ID:55445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Detached fiber optic cable marker found on LS slope. Missing permit for this crossing and cable marker on waterside. (O.Yakimov - DWR UCIP)04/04/2012 No permit identified for crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: Fiber optics line markers on west side of railroad tracks. No permit identified for this crossing. FS Date: 10/21/2019 1:39:58 PM					

Photo 2 of 2 : UCIP\_FA\_2019\_55445\_81717.jpg



View of waterside looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.84</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>5.84</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.516290°	38.516290°	
			-121.762280°	-121.762280°	
DWR ID	16639				
Comment Code					
Inspector Comment					
DS_ID:16639 FS_ID:55446 EP_NO: 10278 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O. Yakimov - DWR UCIP)07/12/2019 After reviewing the USACE O&M manual as-builts there is no reference to this 24-inch pipe. Will need to coordinate with previous UCIP inspector to determine if additional information is available to tie pipe to USACE O&M manual. (O. Magana - DWR UCIP) 05/22/2013 All material was removed. (C. Lund - DWR Sacramento Yard) 04/05/2012 Flap gate blocked by minor amounts of sedimentation. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on waterside (WS) end. Headwall on the landside (LS). (24-inch pipe [HLM 5.99] authorized under Automatic Board Order (ABO) issued as Permit No. 10278, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952]. FS Date: 10/21/2019 1:46:38 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55446\_81718.jpg



Headwall and flap gate

LM Start	<b>5.84</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>5.84</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55446\_81719.jpg



View of WS slope and flap gate at levee 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>5.84</b>	Rating **	M	Issue No.	<b>69 (cont)</b>	
LM End	<b>5.84</b>	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.516290°	38.516290°	
				-121.762280°	-121.762280°	
DWR ID	16639					
Comment Code						
Inspector Comment						
<p>DS_ID:16639                  FS_ID:55446                  EP_NO: 10278                  Repair Type: Non-Urgent                  Crossing Status: Found                  UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)07/12/2019 After reviewing the USACE O&amp;M manual as-builts there is no reference to this 24-inch pipe. Will need to coordinate with previous UCIP inspector to determine if additional information is available to tie pipe to USACE O&amp;M manual. (O. Magana - DWR UCIP)                  05/22/2013 All material was removed. (C. Lund - DWR Sacramento Yard)                  04/05/2012 Flap gate blocked by minor amounts of sedimentation. (W. Wylie - DWR UCIP)                  FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on waterside (WS) end. Headwall on the landside (LS). (24-inch pipe [HLM 5.99] authorized under Automatic Board Order (ABO) issued as Permit No. 10278, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&amp;M Manual 119, December 1952].                  FS Date: 10/21/2019 1:46:38 PM</p>						

Photo 3 of 3 : UCIP\_FA\_2019\_55446\_81720.jpg



LS levee slope, headwall and pipe

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.02</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>6.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.516658°	38.516658°	
			-121.765572°	-121.765572°	
DWR ID	16641				
Comment Code					
Inspector Comment					
DS_ID:16641 FS_ID:55448 EP_NO: 10265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)04/05/2012 Pipe has some sedimentation buildup internally. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 6.19] authorized under Automatic Board Order (ABO) issued as Permit No. 10265, 1974 - State of California, Division of Highways. Also included in Automatic Board Order (ABO) issued as Permit No. 11296, 1974 - Capitol National Bank of Sacramento and Crocker Citizens National Bank). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.19). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 208+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 2:08:05 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55448\_81724.jpg



View of LS looking from levee crown

LM Start	<b>6.02</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>6.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55448\_81725.jpg



View of WS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.02</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>6.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.516658°	38.516658°
				-121.765572°	-121.765572°
DWR ID	16641				
Comment Code					
Inspector Comment					
DS_ID:16641 FS_ID:55448 EP_NO: 10265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)04/05/2012 Pipe has some sedimentation buildup internally. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 6.19] authorized under Automatic Board Order (ABO) issued as Permit No. 10265, 1974 - State of California, Division of Highways. Also included in Automatic Board Order (ABO) issued as Permit No. 11296, 1974 - Capitol National Bank of Sacramento and Crocker Citizens National Bank). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.19). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 208+00 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 4, pdf page 25, Sheet 9, December 1947]. FS Date: 10/21/2019 2:08:05 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55448\_81726.jpg



WS levee slope, headwall, and slide gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.34</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>6.34</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.517199°	38.517199°	
			-121.771262°	-121.771262°	
DWR ID	16642				
Comment Code					
Inspector Comment					
DS_ID:16642 FS_ID:55450 EP_NO: 10265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)07/12/2019 After reviewing the USACE O&M manual as-builts there is no reference to this 30-inch pipe. Will need to coordinate with previous UCIP inspector to determine if additional information is available to tie pipe to USACE O&M manual. (O. Magana - DWR UCIP) 04/10/2019 There is no more debris around pipe. And is now sprayed and maintained. (J. McCabe - DWR Sacramento yard) 04/01/2019 Debris buildup at WS outlet. FIELD_STRUCT_DESC: 30-inch CIPP-lined drainage pipe of an unknown material through the levee, 17 feet below the crown. Headwall and slide gate on the landside (LS) end. Flap gate on the waterside (WS) end, 120 feet to the north of the crossing. (36-inch pipe [HLM 6.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10265, 1974 - State of California, Division of Highways. Also included in Automatic Board Order (ABO) issued as Permit No. 11296, 1974 - Capitol National Bank of Sacramento and Crocker Citizens National Bank). [Additional Reference(s): DWR Levee Log, 2005, 36-inch pipe listed. USACE Sacramento O&M Manual 119, December 1952]. FS Date: 10/21/2019 2:11:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55450\_81729.jpg



View of LS looking from levee crown

LM Start	<b>6.34</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>6.34</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55450\_81730.jpg



LS slope, headwall, and slide gate

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.44</b>	Rating **	M	Issue No.	<b>72</b>
LM End	<b>6.44</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.517828 °	38.517828 °
				-121.773010 °	-121.773010 °
DWR ID	16643				
Comment Code					
Inspector Comment					
DS_ID:16643 FS_ID:55451 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Large rootball blocking the outlet on WS. (O.Yakimov - DWR UCIP)04/05/2012 There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe through the levee, 26 feet below the crown. Slide gate in concrete box on the waterside (WS) slope of the levee. Two drop inlets and weir inlet at the landside (LS) toe. Concrete headwall at outlet. Flap gate on the WS end is off. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 2:17:58 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55451\_81734.jpg



WS headwall and outfall showing rootball blocking pipe

LM Start	<b>6.44</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>6.44</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55451\_81735.jpg



Concrete box with slide gate mechanism on WS 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.44</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>6.44</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.517828 °	38.517828 °
				-121.773010 °	-121.773010 °
DWR ID	16643				
Comment Code					
Inspector Comment					
DS_ID:16643 FS_ID:55451 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Large rootball blocking the outlet on WS. (O.Yakimov - DWR UCIP)04/05/2012 There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe through the levee, 26 feet below the crown. Slide gate in concrete box on the waterside (WS) slope of the levee. Two drop inlets and weir inlet at the landside (LS) toe. Concrete headwall at outlet. Flap gate on the WS end is off. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/21/2019 2:17:58 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55451\_81736.jpg



Weir inlet in a ditch on LS

LM Start	<b>6.49</b>	Rating **	U	Issue No.	<b>39</b>
LM End	<b>6.49</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518247 °	38.518247 °
				-121.773805 °	-121.773805 °
DWR ID	DWR_ST0007_02_f_2016_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Three small walnut trees on the waterside shoulder should be removed.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_39\_20190826\_00018.jpg



View looking upstream of walnut trees on the waterside slope (September 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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.53</b>	Rating **	U	Issue No.	<b>41</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518497°	38.519953°
				-121.774398°	-121.777080°
DWR ID	DWR_ST0007_02_s_2017_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Bamboo being introduced by landowner on the waterside berm. This is unauthorized.					

Photo 1 of 2 : FA\_2019\_ST0007\_283\_41\_20190826\_00020.jpg



Bamboo being grown in pots by landowner on the waterside berm.

LM Start	<b>6.53</b>	Rating **	U	Issue No.	<b>41 (cont)</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA\_2019\_ST0007\_283\_41\_20190826\_00021.jpg



Waterward berm landowner has several hundred bamboo plants and other crops on waterside.

LM Start	<b>6.54</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>6.70</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518590°	38.519875°
				-121.774528°	-121.776912°
DWR ID	DWR_ST0007_02_f_2017_27				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees are still present and should be removed.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_27\_20191008\_00063.jpg



View of bamboo at the waterside toe (Fall 2019).

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

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

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.56</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>6.70</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.518760 °	38.519938 °	
			-121.774927 °	-121.776952 °	
DWR ID	DWR_ST0007_02_s_2012_11				
Comment Code					
MA : Material					
Inspector Comment					
Shipping containers, storage units and other items/debris on the landside easement need to be moved.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_11\_20190826\_00002.jpg



View looking downstream at some of the debris on the landside slope almost up to the crown (September 2018).

LM Start	<b>6.65</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>6.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.519470 °	38.519470 °	
			-121.776150 °	-121.776150 °	
DWR ID	16633				
Comment Code					
Inspector Comment					
DS_ID:16633 FS_ID:55452 EP_NO: 10276 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2019 Minor sediment builtup at slide gate. (O.Yakimov - DWR UCIP)05/22/2013 Will contact owner of pipe and ask to clean for inspection. (C. Lund - DWR Sacramento Yard) 04/05/2012 Pipe heavily clogged with soil. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined drainage pipe of an unknown material through the levee, 6 feet below the crown. Slide gate on the waterside (WS) end, and headwalls on both ends. (24-inch pipe [HLM 6.83] authorized under Automatic Board Order (ABO) issued as Permit No. 10276, 1974 - Patricia Schlabes). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.83). USACE Sacramento O&M Manual, Unit 119, December 1952, Revised 29 Dec 2016, (Station 237+50 PCT). USACE As-Built Drawing No. 50-04-2396, Revision 2, pdf page 26, Sheet 10, December 1947]. FS Date: 10/21/2019 2:32:50 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55452\_81739.jpg



View of LS looking from levee crown

<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.70</b>	Rating **	C	Issue No.	<b>48</b>
LM End	<b>6.70</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519927°	38.519927°
				-121.777033°	-121.777033°
DWR ID	DWR_ST0007_02_s_2017_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the unauthorized bamboo plantings from the landside levee section (Fall 2018).					

No Photos

LM Start	<b>6.71</b>	Rating **	U	Issue No.	<b>35</b>
LM End	<b>6.74</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519980°	38.520198°
				-121.777138°	-121.777535°
DWR ID	DWR_ST0007_02_f_2018_35				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove bamboo pots from waterside crown.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_35\_20190826\_00015.jpg



View of bamboo in pots on the crown (September 2018).

LM Start	<b>6.82</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>7.05</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.520863°	38.522675°
				-121.778703°	-121.782318°
DWR ID	DWR_ST0007_02_f_2019_24				
Comment Code					
DT : Ditch					
Inspector Comment					
There is a newly excavated v-ditch at landside toe.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_24\_20191008\_00061.jpg



View looking downstream at v-ditch at the landside toe (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	<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**

**Sacramento Maintenance Yard Putah Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	10/08/2019 10/08/2019	David Julian

LM Start	<b>6.88</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>6.90</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.521408°	38.521547°	
			-121.779775°	-121.780033°	
DWR ID	DWR_ST0007_02_s_2017_46				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Stalks less than 1 inch in diameter can be trimmed and thinned.					

No Photos

LM Start	<b>6.96</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>6.96</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.522043°	38.522043°	
			-121.780993°	-121.780993°	
DWR ID	DWR_ST0007_02_f_2019_25				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen cottonwood limb.					

Photo 1 of 1 : FA\_2019\_ST0007\_283\_25\_20191008\_00062.jpg



View of large cottonwood limb on the waterside shoulder (Fall 2019).

LM Start	<b>7.00</b>	Rating **	U	Issue No.	<b>47</b>
LM End	<b>7.01</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.522328°	38.522393°	
			-121.781447°	-121.781663°	
DWR ID	DWR_ST0007_02_s_2017_47				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
These elderberries are blocking view of levee section and blocking access to a portion of the shoulder waterward. Some of these stalks are less than 1.0 inch and could be thinned out.					

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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