

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0011	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard West Levee Yolo Bypass	A	9.01						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					5.32			
Slope Stability	0.01		0.01	0.11%				
Erosion / Bank Caving	0.01		0.01	0.11%				
Cracking	0.01		0.01	0.11%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.17	0.02		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.03	0.00	0.03	0.33%	5.49	0.02	0.00	0.00
Unit No. 01 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	2.73						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.50			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.50	0.00	0.00	0.00
Unit No. 02 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	1.52						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.93			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.93	0.00	0.00	0.00
Unit No. 03 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	1.15						
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>								
Slope Stability	0.01		0.01	0.87%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01	0.01		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.87%	0.01	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 West Levee RB		Overall Unit Rating	Total Unit Miles						
ST0011		A	3.61						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					1.89				
Erosion / Bank Caving	0.01		0.01	0.28%					
Cracking	0.01		0.01	0.28%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.16	0.01			
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.02	0.00	0.02	0.55%	2.05	0.01	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2019 Levee Inspection Results****Sacramento Maintenance Yard West Levee Yolo Bypass**

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

** 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 West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	2.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/23/2019 - 4/23/2019		9/17/2019 - 9/17/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0011_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0011_01_s_2013_6				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0011_01_s_2013_7				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a written flood response plan and regular flood response training.					

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	0.12	Rating **	M	Issue No.	10
LM End	1.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.758827 °	38.738955 °
				-121.665492 °	-121.660280 °
DWR ID	DWR_ST0011_01_f_2016_10				
Comment Code					
FE : Fence					
Inspector Comment					

LM Start	0.12	Rating **	M	Issue No.	10 (cont)
LM End	1.55	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2019_ST0011_291_10_20190829_00005.jpg



View of fence at landside toe. Spring 2018.

Photo 2 of 3 : FA_2019_ST0011_291_10_20190829_00006.jpg



View of fence located within 10-foot easement of landside toe. Fall 2016.

LM Start	0.12	Rating **	M	Issue No.	10 (cont)
LM End	1.55	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2019_ST0011_291_10_20190829_00007.jpg



Another view of fence located within 10-foot easement of landside toe. Fall 2016.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.747888 °	38.734972 °
				-121.660202 °	-121.660265 °
DWR ID	DWR_ST0011_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : FA_2019_ST0011_291_8_20190829_00002.jpg



View of the ditch on the landward side of the levee. Fall 2015.

LM Start	1.70	Rating **	M	Issue No.	9
LM End	1.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.736842 °	38.735498 °
				-121.660285 °	-121.660287 °
DWR ID	DWR_ST0011_01_f_2016_9				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : FA_2019_ST0011_291_9_20190829_00003.jpg



View of fence along the ditch on landside. Fall 2016.

LM Start	1.70	Rating **	M	Issue No.	9 (cont)
LM End	1.79	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_ST0011_291_9_20190829_00004.jpg



Another view of fence along the ditch on landside. Fall 2016.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	1.80	Rating **	A	Issue No.	3
LM End	1.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.735348 °	38.735348 °
				-121.660340 °	-121.660340 °
DWR ID	DWR_ST0011_01_f_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2019_ST0011_291_3_20190919_00016.jpg



View of the maintained waterside slope. Fall 2019.

LM Start	2.36	Rating **	A/W	Issue No.	13	
LM End	2.51	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.727250 °	38.725678 °	
				-121.660234 °	-121.661697 °	
DWR ID	ST11-U1-01					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:197						
Site Designation:ST11-U1-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:5/31/2017						
Notes: This site had wave wash around a bend including on an access ramp. The site has been accepted for repair by USACE under PL84-99. Being repaired as of this inspection date. Work should be completed within 2019.						

Photo 1 of 2 : FA_2019_ST0011_291_13_20190829_00008.jpg



View of wave wash at waterside toe. Fall 2017.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	2.36	Rating **	A/W	Issue No.	13 (cont)	
LM End	2.51	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.727250°	38.725678°	
				-121.660234°	-121.661697°	
DWR ID	ST11-U1-01					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:197						
Site Designation:ST11-U1-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:5/31/2017						
Notes: This site had wave wash around a bend including on an access ramp. The site has been accepted for repair by USACE under PL84-99. Being repaired as of this inspection date. Work should be completed within 2019.						

Photo 2 of 2 : FA_2019_ST0011_291_13_20190829_00009.jpg



View of wavewash on access ramp near waterside toe. Fall 2017.

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724853 °	38.724228 °
				-121.663647 °	-121.665137 °
DWR ID	DWR_ST0011_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : FA_2019_ST0011_291_4_20190829_00001.jpg



View of the ditch at the toe of the levee on the landward side. Spring 2016.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	14
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.724824 °	38.724824 °
				-121.663702 °	-121.663702 °
DWR ID	17742				

Comment Code

Inspector Comment

DS_ID:17742
FS_ID:53232
EP_NO: 10284
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Screw gates where removed and pipe was abanded by farmer, How pipe was abanded is unknown. Pipe is Grouted
FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)].
FS Date: 11/16/2018 2:17:55 PM

LM Start	2.63	Rating **	A/W	Issue No.	14 (cont)
LM End	2.63	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53232_60304.jpg



Waterside view: overview (pipe not found)

Photo 2 of 3 : UCIP_FA_2019_53232_60303.jpg



Landside view: concrete spillbox/headwall and pipe (top view)

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	14 (cont)	
LM End	2.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.724824 °		38.724824 °
				-121.663702 °		-121.663702 °
DWR ID	17742					
Comment Code						
Inspector Comment						
DS_ID:17742						
FS_ID:53232						
EP_NO: 10284						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Screw gates where removed and pipe was abandoned by farmer, How pipe was abandoned is unknown. Pipe is Grouted						
FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borda and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)].						
FS Date: 11/16/2018 2:17:55 PM						

Photo 3 of 3 : UCIP_FA_2019_53232_60302.jpg



Landside view: side of concrete spillbox/headwall

LM Start	2.64	Rating **	A/W	Issue No.	15
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.724811 °	38.724811 °
				-121.663736 °	-121.663736 °
DWR ID	17747				
Comment Code					
Inspector Comment					
DS_ID:17747 FS_ID:53233 EP_NO: 10284 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: No slide gate found. slide gates and pipes were abandon by farmer, how unknown FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borda and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)]. FS Date: 11/16/2018 2:19:35 PM					

Photo 1 of 3 : UCIP_FA_2019_53233_60309.jpg



Waterside view: overview

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/17/2019 09/17/2019	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	15 (cont)
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.724811 °	38.724811 °
				-121.663736 °	-121.663736 °
DWR ID	17747				

Comment Code

Inspector Comment

DS_ID:17747
FS_ID:53233
EP_NO: 10284
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: No slide gate found. slide gates and pipes were abandon by farmer, how unknown
FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)].
FS Date: 11/16/2018 2:19:35 PM

LM Start	2.64	Rating **	A/W	Issue No.	15 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53233_60308.jpg



Landside view: concrete spill box

Photo 3 of 3 : UCIP_FA_2019_53233_60307.jpg



Landside view: CM pipe with flap gate

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

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 02 West Levee			Right	1.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/23/2019 - 4/23/2019		9/17/2019 - 9/17/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

Summer & Winter Inspections

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DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/17/2019 09/17/2019	Zach Jojola

LM Start	0.16	Rating **	A/W	Issue No.	2
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.716822 °	38.716822 °
				-121.665095 °	-121.665095 °
DWR ID	DWR_ST0011_02_f_2019_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are two rodent holes on the landside slope. Recommend monitoring for activity.					

No Photos

LM Start	0.47	Rating **	M	Issue No.	3
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.712813 °	38.706018 °
				-121.667349 °	-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is approximately 10 ft deep.					

LM Start	0.47	Rating **	M	Issue No.	3 (cont)
LM End	0.97	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2019_ST0011_292_3_20190829_00001.jpg



View of the ditch at the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 3 : FA_2019_ST0011_292_3_20190829_00002.jpg



View of the ditch on landward side. Ditch was deepened to approximately 10 ft. Fall 2016.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/17/2019 09/17/2019	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	3 (cont)	
LM End	0.97	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.712813 °		38.706018 °
				-121.667349 °		-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3					
Comment Code						
DT : Ditch						
Inspector Comment						
The ditch is approximately 10 ft deep.						

Photo 3 of 3 : FA_2019_ST0011_292_3_20190829_00003.jpg



View of the ditch on landward side. Fall 2016.

LM Start	1.01	Rating **	M	Issue No.	5
LM End	1.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.705475 °	38.699637 °
				-121.671135 °	-121.674112 °
DWR ID	DWR_ST0011_02_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 2 : FA_2019_ST0011_292_5_20190829_00004.jpg



View of ditch at landside toe, looking upstream. Fall 2017.

LM Start	1.01	Rating **	M	Issue No.	5 (cont)
LM End	1.44	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_ST0011_292_5_20190829_00005.jpg

View of the ditch on the landward side of the levee looking downstream.
Fall 2015.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/17/2019 09/17/2019	Zach Jojola

LM Start	1.41	Rating **	A	Issue No.	1
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.700172 °	38.700172 °
				-121.673928 °	-121.673928 °
DWR ID	DWR_ST0011_02_f_2019_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2019_ST0011_292_1_20190919_00006.jpg



View of the maintained landside slope. Fall 2019.

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

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 03 West Levee			Right	1.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/23/2019 - 4/23/2019		9/18/2019 - 9/18/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/18/2019 09/18/2019	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	4	
LM End	0.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.698204 °		38.698204 °
				-121.674080 °		-121.674080 °
DWR ID	17756					
Comment Code						
Inspector Comment						
DS_ID:17756 FS_ID:53252 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation or drainage pipe through the levee, 3 feet below the crown. FS Date: 11/21/2018 8:24:23 AM						

Photo 1 of 3 : UCIP_FA_2019_53252_60378.jpg



Waterside view: an abandoned steel pipe.

LM Start	0.03	Rating **	M	Issue No.	4 (cont)
LM End	0.03	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53252_60377.jpg



Landside view: an abandoned steel pipe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/18/2019 09/18/2019	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	4 (cont)	
LM End	0.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.698204 °		38.698204 °
				-121.674080 °		-121.674080 °
DWR ID	17756					
Comment Code						
Inspector Comment						
DS_ID:17756						
FS_ID:53252						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe not properly abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation or drainage pipe through the levee, 3 feet below the crown.						
FS Date: 11/21/2018 8:24:23 AM						

Photo 3 of 3 : UCIP_FA_2019_53252_77496.jpg



LS: straight through pipe without any gates preventing water from WS to LS.

LM Start	1.44	Rating **	M	Issue No.	3
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.677792 °	38.677792 °
				-121.673098 °	-121.673098 °
DWR ID	DWR_ST0011_03_f_2019_3				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a sinkhole on the landside slope.					

Photo 1 of 1 : FA_2019_ST0011_293_3_20190919_00007.jpg



View of the sinkhole on the landside slope. Fall 2019.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/18/2019 09/18/2019	Zach Jojola

LM Start	1.44	Rating **	U	Issue No.	5
LM End	1.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.677762 °	38.677762 °
				-121.672875 °	-121.672875 °
DWR ID	17754				

Comment Code

Inspector Comment

DS_ID:17754
FS_ID:53860
EP_NO: 10295
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 04/09/2019 Internal inspection was completed and the inspection shows separation of pipe at 22 degree turn. Sink hole visible on LS slope. Coordinating with DMP - Vince Rodriguez. Recommend repair or replace. (T. Skidgel - DWR Sacramento Yard) Found 48-inch CMP (not concrete culvert) and slide gate not found on LS end.
FIELD_STRUCT_DESC: 48-inch corrugated metal pipe (CMP) sewer culvert through the levee, 18 feet below the crown. Slide gate on the landside (LS) end. (48-inch concrete culvert authorized under Automatic Board Order (ABO) issued as Permit No. 10295, 1974 - City of Woodland). [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 4/9/2019 8:58:01 AM

LM Start	1.44	Rating **	U	Issue No.	5 (cont)
LM End	1.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53860_60391.jpg



Waterside view: flap gate and concrete headwall. Abandoned slide gate on right.

Photo 2 of 3 : UCIP_FA_2019_53860_60390.jpg



Waterside view: flap gate and concrete headwall.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/18/2019 09/18/2019	Zach Jojola

LM Start	1.44	Rating **	U	Issue No.	5 (cont)	
LM End	1.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.677762 °	38.677762 °	
				-121.672875 °	-121.672875 °	
DWR ID	17754					
Comment Code						
Inspector Comment						
DS_ID:17754 FS_ID:53860 EP_NO: 10295 Repair Type: Urgent Crossing Status: Found UCIP Comments: 04/09/2019 Internal inspection was completed and the inspection shows separation of pipe at 22 degree turn. Sink hole visible on LS slope. Coordinating with DMP - Vince Rodriguez. Recommend repair or replace. (T. Skidgel - DWR Sacramento Yard)Found 48-inch CMP (not concrete culvert) and slide gate not found on LS end. FIELD_STRUCT_DESC: 48-inch corrugated metal pipe (CMP) sewer culvert through the levee, 18 feet below the crown. Slide gate on the landside (LS) end. (48-inch concrete culvert authorized under Automatic Board Order (ABO) issued as Permit No. 10295, 1974 - City of Woodland). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/9/2019 8:58:01 AM						

Photo 3 of 3 : UCIP_FA_2019_53860_60389.jpg



Waterside view: 48-inch flap gate.

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

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 04 West Levee			Right	3.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/30/2019 - 4/30/2019		10/16/2019 - 10/16/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.53	Rating **	M	Issue No.	16	
LM End	0.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.566630 °	38.566630 °	
				-121.638870 °	-121.638870 °	
DWR ID	19991					
Comment Code						
Inspector Comment						
DS_ID:19991						
FS_ID:55937						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 11/07/2019 Unable to locate a sign found during prior inspection on LS shoulder that mentions abandoned pipe. Updated to Not Found. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel natural gas pipeline through the levee, at an unknown depth. Sign on the landside (LS) shoulder.						
FS Date: 11/7/2019 3:13:36 PM						

Photo 1 of 1 : UCIP_FA_2019_55937_50974.jpg



Landside view: a sign mentioning about the pipe.

LM Start	0.54	Rating **	M	Issue No.	15
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.566529 °	38.566529 °
				-121.638869 °	-121.638869 °
DWR ID	DWR_ST0011_04_f_2019_15				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Appears to be a 50-foot crack on the landside shoulder with minor settlement.					

Photo 1 of 2 : FA_2019_ST0011_294_15_20191126_00016.jpg



View of the crack on the landside shoulder, facing downstream. Fall 2019.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.54	Rating **	M	Issue No.	15 (cont)	
LM End	0.54	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Cracking			38.566529 °	38.566529 °	
				-121.638869 °	-121.638869 °	
DWR ID	DWR_ST0011_04_f_2019_15					
Comment Code						
CR1 : Monitor and have inspected by geotechnical engineer.						
Inspector Comment						
Appears to be a 50-foot crack on the landside shoulder with minor settlement.						

Photo 2 of 2 : FA_2019_ST0011_294_15_20191126_00017.jpg



View of the crack on the landside shoulder, facing upstream. Fall 2019.

LM Start	0.54	Rating **	U	Issue No.	17
LM End	0.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.566520 °	38.566520 °
				-121.638870 °	-121.638870 °
DWR ID	569				
Comment Code					
Inspector Comment					
DS_ID:569 FS_ID:55938 EP_NO: 16096 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Flap gate at WS headwall not closing completely. A wooden stick on the top prevents flap gate closing leaving space for backflow. Provide maintenance on flap gate. About 20-foot long surface cracking observed on levee crown closer to LS shoulder. Not sure if cracking is related to this crossing. (O.Yakimov - DWR UCIP)04/28/2015 The culvert was constructed in 1993. FIELD_STRUCT_DESC: 60-inch by 60-inch reinforced concrete box gravity drainage culvert through the right bank (west) levee of the Yolo Bypass, 20 feet below the crown. 60-inch by 60-inch culvert replaced an existing 30-inch gravity drain pipeline. (60-inch by 60-inch culvert authorized under Permit No. 16096, 1993 - Yolo County Flood Control and Water Conservation District). FS Date: 11/7/2019 3:23:43 PM					

Photo 1 of 3 : UCIP_FA_2019_55938_83281.jpg



View of WS slope looking towards levee

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.54	Rating **	U	Issue No.	17 (cont)
LM End	0.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.566520 °	38.566520 °
				-121.638870 °	-121.638870 °
DWR ID	569				
Comment Code					
Inspector Comment					
DS_ID:569 FS_ID:55938 EP_NO: 16096 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Flap gate at WS headwall not closing completely. A wooden stick on the top prevents flap gate closing leaving space for backflow. Provide maintenance on flap gate. About 20-foot long surface cracking observed on levee crown closer to LS shoulder. Not sure if cracking is related to this crossing. (O.Yakimov - DWR UCIP)04/28/2015 The culvert was constructed in 1993. FIELD_STRUCT_DESC: 60-inch by 60-inch reinforced concrete box gravity drainage culvert through the right bank (west) levee of the Yolo Bypass, 20 feet below the crown. 60-inch by 60-inch culvert replaced an existing 30-inch gravity drain pipeline. (60-inch by 60-inch culvert authorized under Permit No. 16096, 1993 - Yolo County Flood Control and Water Conservation District). FS Date: 11/7/2019 3:23:43 PM					

LM Start	0.54	Rating **	U	Issue No.	17 (cont)
LM End	0.54	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55938_83282.jpg



View of LS looking from levee crown

Photo 3 of 3 : UCIP_FA_2019_55938_83283.jpg



Malfunctioning flap gate at WS levee toe

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.54	Rating **	M	Issue No.	18	
LM End	0.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.566498 °	38.566498 °	
				-121.638865 °	-121.638865 °	
DWR ID	525					
Comment Code						
Inspector Comment						
DS_ID:525 FS_ID:55939 EP_NO: 10304 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. (O.Yakimov - DWR UCIP)04/28/2015 No pipe at this location. This may have been removed for permit # 16096 FIELD_STRUCT_DESC: 36-inch gravity drainage pipe of an unknown material through the levee, 24.5 feet below the crown. Flap gate on the waterside (WS) end. (36-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 7:37:00 AM						

No Photos

LM Start	0.57	Rating **	M	Issue No.	19	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.566086 °	38.566086 °	
				-121.638828 °	-121.638828 °	
DWR ID	19987					
Comment Code						
Inspector Comment						
DS_ID:19987						
FS_ID:55940						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 11/07/2019 Permit is not available for this crossing.						
(O.Yakimov - DWR UCIP)04/28/2015 Cable marker/flags found on both sides of the levee.						
FIELD_STRUCT_DESC: Communications conduit of an unknown size or material through the levee, at an unknown depth. (Sure West Communications).						
FS Date: 11/7/2019 7:44:39 AM						

Photo 1 of 3 : UCIP_FA_2019_55940_83288.jpg



Line marker in the field on WS

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	19 (cont)	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.566086 °	38.566086 °	
				-121.638828 °	-121.638828 °	
DWR ID	19987					
Comment Code						
Inspector Comment						
DS_ID:19987						
FS_ID:55940						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 11/07/2019 Permit is not available for this crossing.						
(O.Yakimov - DWR UCIP)04/28/2015 Cable marker/flags found on						
both sides of the levee.						
FIELD_STRUCT_DESC: Communications conduit of an unknown size						
or material through the levee, at an unknown depth. (Sure West						
Communications).						
FS Date: 11/7/2019 7:44:39 AM						

LM Start	0.57	Rating **	M	Issue No.	19 (cont)
LM End	0.57	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55940_50982.jpg



Waterside view: mini flag/marker

Photo 3 of 3 : UCIP_FA_2019_55940_50983.jpg



Landside view: ground marking

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	20	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.566053 °	38.566053 °	
				-121.638782 °	-121.638782 °	
DWR ID	17734					
Comment Code						
Inspector Comment						
DS_ID:17734						
FS_ID:55943						
EP_NO: 6810						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 11/07/2019 Crossing not found. Need markers installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015						
No indicators. Was this gas line installed? Need to contact Getty Oil Co.						
FIELD_STRUCT_DESC: To install a 4.5-inch somastic coated natural gas line through the levee, 3 feet below the crown and slopes. (4.5-inch pipe authorized under Permit No. 6810, 1969 - Getty Oil Company).						
FS Date: 11/7/2019 8:09:49 AM						

No Photos

LM Start	0.59	Rating **	M	Issue No.	21	
LM End	0.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.565798 °		38.565798 °
				-121.638686 °		-121.638686 °
DWR ID	526					
Comment Code						
Inspector Comment						
DS_ID:526 FS_ID:55944 EP_NO: 10302 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/07/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)04/28/2015 ATT communication marker on both sides of the levee. FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, at an unknown depth. (Telephone conduit authorized under Automatic Board Order (ABO) issued as Permit No. 10302, 1974 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 8:12:21 AM						

Photo 1 of 3 : UCIP_FA_2019_55944_83292.jpg



Closeup view of a marker flag

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.59	Rating **	M	Issue No.	21 (cont)	
LM End	0.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.565798 °		38.565798 °
				-121.638686 °		-121.638686 °
DWR ID	526					
Comment Code						
Inspector Comment						
DS_ID:526 FS_ID:55944 EP_NO: 10302 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/07/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)04/28/2015 ATT communication marker on both sides of the levee. FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, at an unknown depth. (Telephone conduit authorized under Automatic Board Order (ABO) issued as Permit No. 10302, 1974 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 8:12:21 AM						

Photo 2 of 3 : UCIP_FA_2019_55944_83293.jpg



Landside view: marker flags on levee road shoulder

LM Start	0.59	Rating **	M	Issue No.	21 (cont)
LM End	0.59	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55944_83294.jpg



Waterside view: marker not found

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	22
LM End	0.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.565780 °	38.565780 °
				-121.638652 °	-121.638652 °
DWR ID	580				
Comment Code					
Inspector Comment					
DS_ID:580 FS_ID:55947 EP_NO: 17024 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. (O.Yakimov - DWR UCIP)04/28/2015 No indicators found FIELD_STRUCT_DESC: To place a 10-inch high-density polyethylene (HDPE) fiber optics conduit across and bored under the Yolo Bypass, its levees, and Tule Creek, at an unknown depth. (10-inch conduit authorized under Permit No. 17024, 1999 - Level 3 Communications). FS Date: 11/7/2019 8:22:10 AM					

No Photos

LM Start	0.60	Rating **	M	Issue No.	23
LM End	0.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.565780 °	38.565780 °
				-121.638652 °	-121.638652 °
DWR ID	581				
Comment Code					
Inspector Comment					
DS_ID:581 FS_ID:55948 EP_NO: 17143 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. (O.Yakimov - DWR UCIP)04/28/2015 No indicators found FIELD_STRUCT_DESC: To place an 8-inch steel fiber optics conduit across and bored under the Yolo Bypass, its levees, and Tule Canal, 4.5 feet below the crown. (8-inch high-density polyethylene (HDPE) conduit authorized under Permit No. 17143, 2000 - Williams Communications). FS Date: 11/7/2019 8:23:19 AM					

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	24
LM End	0.60	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.565704 °	38.565704 °
				-121.638650 °	-121.638650 °
DWR ID	528				
Comment Code					
Inspector Comment					
DS_ID:528 FS_ID:55949 EP_NO: 10304 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 30-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 120, June 1952, (Station 446+08)]. FS Date: 11/7/2019 8:24:29 AM					

LM Start	0.60	Rating **	M	Issue No.	24 (cont)
LM End	0.60	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55949_83298.jpg



View of WS slope looking towards levee

Photo 2 of 3 : UCIP_FA_2019_55949_83300.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	24 (cont)	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.565704 °		38.565704 °
				-121.638650 °		-121.638650 °
DWR ID	528					
Comment Code						
Inspector Comment						
DS_ID:528 FS_ID:55949 EP_NO: 10304 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 30-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 120, June 1952, (Station 446+08)]. FS Date: 11/7/2019 8:24:29 AM						

Photo 3 of 3 : UCIP_FA_2019_55949_83299.jpg



Pipe and flap gate at WS levee toe

LM Start	0.62	Rating **	M	Issue No.	25	
LM End	0.62	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.565489 °		38.565489 °
				-121.638513 °		-121.638513 °
DWR ID	527					
Comment Code						
Inspector Comment						
DS_ID:527 FS_ID:55951 EP_NO: 6810 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of pipeline and provide markers if appropriate. FIELD_STRUCT_DESC: 1 of 2: 4.5-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. (4.5-inch pipeline authorized under Permit No. 6810, 1969 - Getty Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 9:21:34 AM						

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	26
LM End	0.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.565473 °	38.565473 °
				-121.638505 °	-121.638505 °
DWR ID	17741				
Comment Code					
Inspector Comment					
DS_ID:17741 FS_ID:55952 EP_NO: 6810 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of crossing and install signs if it is appropriate to do so. FIELD_STRUCT_DESC: 2 of 2: 4.5-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. (4.5-inch pipeline authorized under Permit No. 7230, 1970 - Getty Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019					

No Photos

LM Start	0.77	Rating **	C	Issue No.	1	
LM End	0.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.563289 °	38.563157 °	
				-121.638367 °	-121.638344 °	
DWR ID	ST11-U4-02					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:205						
Site Designation:ST11-U4-02						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/5/2017						
Notes: LS levee slope failure -starts at mid slope, about 5.6' vertical drop, and mass extends 9' beyond levee toe, 26' wide asphalt road at toe, damaged erosion control fabrics noted. Site repaired as of the date of this inspection.						

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	6
LM End	1.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561233 °	38.559502 °
				-121.638182 °	-121.637810 °
DWR ID	DWR_ST0011_04_s_2015_6				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : FA_2019_ST0011_294_6_20190829_00007.jpg



View of the ditch on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.99	Rating **	M	Issue No.	27	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.560139 °	38.560139 °	
				-121.638007 °	-121.638007 °	
DWR ID	530					
Comment Code						
Inspector Comment						
DS_ID:530 FS_ID:55954 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of crossing and add markers if it is appropriate to do so. FIELD_STRUCT_DESC: 1 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 9:29:27 AM						

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	28
LM End	0.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.560128°	38.560128°
				-121.638004°	-121.638004°
DWR ID	17739				
Comment Code					
Inspector Comment					
DS_ID:17739 FS_ID:55955 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. FIELD_STRUCT_DESC: 2 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 9:30:20 AM					

No Photos

LM Start	0.99	Rating **	M	Issue No.	29
LM End	0.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.560117°	38.560117°
				-121.638001°	-121.638001°
DWR ID	17740				
Comment Code					
Inspector Comment					
DS_ID:17740 FS_ID:55956 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. FIELD_STRUCT_DESC: 3 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 9:31:38 AM					

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	1.61	Rating **	M	Issue No.	30
LM End	1.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.552595 °	38.552595 °
				-121.631763 °	-121.631763 °
DWR ID	583				
Comment Code					
Inspector Comment					
DS_ID:583 FS_ID:55957 EP_NO: 16846 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Current status of permit 16846 doesn't show that construction has been completed. Unable to confirm installation of gas line through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *NOT INSTALLED* To directionally bore a 2-inch coated steel natural gas pipeline under the right bank (west) levee of the Yolo Bypass, at an unknown depth. Also, to drill two natural gas wells. (two 3-inch gas lines under the right bank (west) levee and the bypass were authorized under Permit No. 16846, 1998 - Slawson Exploration/Irani Engineering; permit recordation, Permit Inspection Sheet, indicate no work done as of April 18, 2001). FS Date: 11/7/2019 10:39:52 AM					

LM Start	1.61	Rating **	M	Issue No.	30 (cont)
LM End	1.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55957_83314.jpg



View of levee crown at potential crossing

Photo 2 of 3 : UCIP_FA_2019_55957_83315.jpg



View of LS looking from levee crown. A yellow marker on LS shoulder

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	1.61	Rating **	M	Issue No.	30 (cont)	
LM End	1.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.552595 °	38.552595 °	
				-121.631763 °	-121.631763 °	
DWR ID	583					
Comment Code						
Inspector Comment						
DS_ID:583 FS_ID:55957 EP_NO: 16846 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Current status of permit 16846 doesn't show that construction has been completed. Unable to confirm installation of gas line through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *NOT INSTALLED* To directionally bore a 2-inch coated steel natural gas pipeline under the right bank (west) levee of the Yolo Bypass, at an unknown depth. Also, to drill two natural gas wells. (two 3-inch gas lines under the right bank (west) levee and the bypass were authorized under Permit No. 16846, 1998 - Slawson Exploration/Irani Engineering; permit recordation, Permit Inspection Sheet, indicate no work done as of April 18, 2001). FS Date: 11/7/2019 10:39:52 AM						

Photo 3 of 3 : UCIP_FA_2019_55957_83316.jpg



Yellow marker in the field on LS on the other side of irrigation canal

LM Start	1.77	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.550387°	38.536958°
				-121.631257°	-121.631450°
DWR ID	DWR_ST0011_04_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : FA_2019_ST0011_294_3_20190829_00004.jpg



View of the ditch along the levee toe on the landward side of the levee looking downstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	2.10	Rating **	M	Issue No.	31	
LM End	2.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.545646°	38.545646°	
				-121.631172°	-121.631172°	
DWR ID	17736					
Comment Code						
Inspector Comment						
DS_ID:17736 FS_ID:56030 EP_NO: 10306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Permit authorizing crossing modification is not available. (O.Yakimov - DWR UCIP)04/28/2015 Farmer cleans this screw gate every year FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Slide gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): USACE Sacramento O&M Manual 119, December 1952, (Station 80+00), dwg no. 50-04-2280, page 1 of 2]. FS Date: 11/7/2019						

Photo 1 of 3 : UCIP_FA_2019_56030_83249.jpg



View of LS looking from levee crown

LM Start	2.10	Rating **	M	Issue No.	31 (cont)
LM End	2.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_56030_83250.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	2.10	Rating **	M	Issue No.	31 (cont)	
LM End	2.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.545646°	38.545646°	
				-121.631172°	-121.631172°	
DWR ID	17736					
Comment Code						
Inspector Comment						
DS_ID:17736 FS_ID:56030 EP_NO: 10306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Permit authorizing crossing modification is not available. (O.Yakimov - DWR UCIP)04/28/2015 Farmer cleans this screw gate every year FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Slide gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): USACE Sacramento O&M Manual 119, December 1952, (Station 80+00), dwg no. 50-04-2280, page 1 of 2]. FS Date: 11/7/2019						

Photo 3 of 3 : UCIP_FA_2019_56030_83251.jpg



Slide gate and pipe outlet on waterside

LM Start	2.23	Rating **	M	Issue No.	32
LM End	2.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.543645 °	38.543645 °
				-121.631199 °	-121.631199 °
DWR ID	532				
Comment Code					
Inspector Comment					
DS_ID:532					
FS_ID:55961					
EP_NO: 13135					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of crossing and add markers if its appropriate to do so.					
FIELD_STRUCT_DESC: 2-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. (2-inch pipeline authorized under Permit No. 13135, 1981 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2004].					
FS Date: 11/7/2019 11:02:43 AM					

No Photos

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	2.50	Rating **	M	Issue No.	33
LM End	2.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.539852 °	38.539852 °
				-121.631247 °	-121.631247 °
DWR ID	584				
Comment Code					
Inspector Comment					
DS_ID:584 FS_ID:55962 EP_NO: 13350 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 11/07/2019 Crossing not found. Line markers need to be installed on both sides of levee. (O.Yakimov - DWR UCIP)04/28/2015 Need to contact owner to determine status of crossing and add gasline markers if its appropriate to do so. FIELD_STRUCT_DESC: To install a 2-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. (2-inch pipeline authorized under Permit No. 13350, 1982 - TXO Production Corporation). FS Date: 11/7/2019 11:03:21 AM					

No Photos

LM Start	2.75	Rating **	M	Issue No.	4
LM End	3.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.536100 °	38.523807 °
				-121.631425 °	-121.631535 °
DWR ID	DWR_ST0011_04_f_2018_4				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the levee toe on the landward side of the levee.					

Photo 1 of 2 : FA_2019_ST0011_294_4_20190829_00005.jpg



The ditch is at the levee toe on the landward side of the levee looking downstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	2.75	Rating **	M	Issue No.	4 (cont)	
LM End	3.60	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.536100 °	38.523807 °	
				-121.631425 °	-121.631535 °	
DWR ID	DWR_ST0011_04_f_2018_4					
Comment Code						
DT : Ditch						
Inspector Comment						
The ditch is at the levee toe on the landward side of the levee.						

Photo 2 of 2 : FA_2019_ST0011_294_4_20190829_00006.jpg



Looking west at the agricultural ditch. Fall 2015.

LM Start	3.61	Rating **	M	Issue No.	13
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.523683 °	38.523683 °
				-121.631463 °	-121.631463 °
DWR ID	DWR_ST0011_04_f_2018_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion on the landside toe because of an irrigation canal. Sac Yard is aware of the issue and intends to fix it.					

Photo 1 of 2 : FA_2019_ST0011_294_13_20191108_00015.jpg



View of erosion on the landside slope. Fall 2019.

LM Start	3.61	Rating **	M	Issue No.	13 (cont)
LM End	3.61	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_ST0011_294_13_20190829_00008.jpg



View of erosion on the landside slope adjacent to irrigation canal. Fall 2018.

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	3.61	Rating **	M	Issue No.	34	
LM End	3.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.523660 °	38.523660 °	
				-121.631435 °	-121.631435 °	
DWR ID	533					
Comment Code						
Inspector Comment						
DS_ID:533 FS_ID:55963 EP_NO: 10306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)04/28/2015 Pipe submerged into water on both sides of the levee. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 22.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the WS end. (48-inch irrigation pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 11:05:01 AM						

LM Start	3.61	Rating **	M	Issue No.	34 (cont)
LM End	3.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55963_83334.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_55963_83335.jpg



View of WS looking from levee crown

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

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	10/16/2019 10/16/2019	Zach Jojola

LM Start	3.61	Rating **	M	Issue No.	34 (cont)	
LM End	3.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.523660 °		38.523660 °
				-121.631435 °		-121.631435 °
DWR ID	533					
Comment Code						
Inspector Comment						
DS_ID:533 FS_ID:55963 EP_NO: 10306 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)04/28/2015 Pipe submerged into water on both sides of the levee. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 22.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the WS end. (48-inch irrigation pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 11/7/2019 11:05:01 AM						

Photo 3 of 3 : UCIP_FA_2019_55963_83336.jpg



Slide gate under water at WS levee toe

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