

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2017 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

<b>ST0011</b>	Overall LMA Rating	Total LMA Miles						
<b>Sacramento Maintenance Yard West Levee Yolo Bypass</b>	<b>A</b>	<b>9.01</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					5.47			
Animal Control	0.01		0.01	0.11%				
Erosion / Bank Caving	0.01		0.01	0.11%				
Cracking	0.01		0.01	0.11%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.11%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.16		0.16	1.78%				
DWR UCIP Field Study					0.08	0.01		
<i>LMA Totals:</i>	0.20	0.00	0.20	2.22%	5.55	0.01	0.00	0.00
<b>Unit No. 01 West Levee RB</b>	Overall Unit Rating	Total Unit Miles						
<b>ST0011</b>	<b>A</b>	<b>2.73</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.62			
Animal Control	0.01		0.01	0.37%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.16		0.16	5.87%				
<i>Unit Totals:</i>	0.17	0.00	0.17	6.24%	2.62	0.00	0.00	0.00
<b>Unit No. 02 West Levee RB</b>	Overall Unit Rating	Total Unit Miles						
<b>ST0011</b>	<b>A</b>	<b>1.52</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.93			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.93	0.00	0.00	0.00
<b>Unit No. 03 West Levee RB</b>	Overall Unit Rating	Total Unit Miles						
<b>ST0011</b>	<b>A</b>	<b>1.15</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>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2017 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	
Earthen Levee									
Encroachments					1.92				
Erosion / Bank Caving	0.01		0.01	0.28%					
Cracking	0.01		0.01	0.28%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.28%					
Supplemental									
DWR UCIP Field Study					0.07	0.01			
Unit Totals:	0.03	0.00	0.03	0.83%	1.99	0.01	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2017 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 2017 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	4/5/2017 - 4/5/2017		9/27/2017 - 9/27/2017	
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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	<b>5</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	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.	<b>6</b>
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.	<b>7</b>
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

<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	10
LM End	1.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.758929 °	38.738955 °
				-121.667572 °	-121.660280 °
DWR ID	DWR_ST0011_01_f_2016_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : FA\_2017\_ST0011\_291\_10\_20170911\_00006.jpg



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

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.55</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2017\_ST0011\_291\_10\_20170911\_00007.jpg



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

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\_2017\_ST0011\_291\_8\_20170911\_00003.jpg



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

**\* 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

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\_2017\_ST0011\_291\_9\_20170911\_00004.jpg



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

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

Photo 2 of 2 : FA\_2017\_ST0011\_291\_9\_20170911\_00005.jpg



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

LM Start	1.83	Rating **	C	Issue No.	3
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.734936 °	38.734936 °
				-121.660281 °	-121.660281 °
DWR ID	DWR_ST0011_01_f_2016_3				
Comment Code					
GA : Garbage					
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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojoia

LM Start	2.18	Rating **	C	Issue No.	15
LM End	2.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.729822 °	38.729822 °
				-121.660268 °	-121.660268 °
DWR ID	DWR_ST0011_01_s _ 2017_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside levee toe.					

No Photos

LM Start	2.20	Rating **	C	Issue No.	16
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.729588 °	38.729588 °
				-121.660263 °	-121.660263 °
DWR ID	DWR_ST0011_01_s _ 2017_16				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside levee toe and slope.					

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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**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

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	DWR_ST0011_01_f_2017_13				

**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, but is a lower priority so will not be fixed before this flood season.

LM Start	<b>2.36</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>2.51</b>	Issue Type +	Ob	Location *	

Photo 1 of 2 : FA\_2017\_ST0011\_291\_13\_20170927\_00024.jpg



View of wave wash at waterside toe. Fall 2017.

Photo 2 of 2 : FA\_2017\_ST0011\_291\_13\_20170927\_00025.jpg



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

<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

LM Start	2.44	Rating **	M	Issue No.	14
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.726038 °	38.726038 °
				-121.660486 °	-121.660486 °
DWR ID	DWR_ST0011_01_f_2017_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow hole at waterside levee toe.					

Photo 1 of 1 : FA\_2017\_ST0011\_291\_14\_20170927\_00026.jpg



View of den at waterside toe, within section of wavewash damage. Fall 2017.

LM Start	2.53	Rating **	M	Issue No.	2
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.725505 °	38.724385 °
				-121.662041 °	-121.664564 °
DWR ID	DWR_ST0011_01_s_2016_2				
Comment Code					
Inspector Comment					
2006 - Slow wave wash and general fluvial erosion of the toe area under river cobbles. Erosion is creating a scarp and cobble covered wave-cut bench. 2011 - Site appears better than it looked in 2006, but still eroding. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-6_R]					

No Photos

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\_2017\_ST0011\_291\_4\_20170911\_00002.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

LM Start	<b>2.63</b>	Rating **	A/W	Issue No.	<b>17</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.724824 °	38.724824 °	
			-121.663702 °	-121.663702 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:52501  
DS\_ID:17742  
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.  
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: 11/16/2017 1:59:55 PM

LM Start	<b>2.63</b>	Rating **	A/W	Issue No.	<b>17 (cont)</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2017\_52501\_60304.jpg



Waterside view: overview (pipe not found)

Photo 2 of 3 : UCIP\_FA\_2017\_52501\_60303.jpg



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

<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	09/27/2017 09/27/2017	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	17 (cont)	
LM End	2.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °	
				-121.663702 °	-121.663702 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52501 DS_ID:17742 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. 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: 11/16/2017 1:59:55 PM						

Photo 3 of 3 : UCIP\_FA\_2017\_52501\_60302.jpg



Landside view: side of concrete spillbox/headwall

LM Start	2.64	Rating **	A/W	Issue No.	18	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.724811 °	38.724811 °	
				-121.663736 °	-121.663736 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52502 DS_ID:17747 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: 11/16/2017 2:01:58 PM						

Photo 1 of 3 : UCIP\_FA\_2017\_52502\_60309.jpg



Waterside view: overview

<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 2017 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)			<b>A</b>	
Date of Inspection	4/5/2017 - 4/5/2017		9/12/2017 - 9/12/2017	
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.

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

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

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/12/2017 09/12/2017	Zach Jojola

LM Start	0.23	Rating **	A/W	Issue No.	1
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.715815 °	38.715595 °
				-121.665344 °	-121.665432 °
DWR ID	DWR_ST0011_02_f_2017_1				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:251					
Site Designation:LMA-59					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:6/2/2017					
Notes: vertical cut on waterside access ramp slope about 2.5ft high, waterside berm 30'.					

LM Start	<b>0.23</b>	Rating **	A/W	Issue No.	<b>1 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2017\_251\_878.jpg



Photo 2 of 3 : LEVAL\_FA\_2017\_251\_879.jpg



<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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## Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/12/2017 09/12/2017	Zach Jojola

LM Start	0.23	Rating **	A/W	Issue No.	1 (cont)	
LM End	0.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.715815 °	38.715595 °	
				-121.665344 °	-121.665432 °	
DWR ID	DWR_ST0011_02_f_2017_1					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:251						
Site Designation:LMA-59						
Repair Type: Stability						
Rating:Area of Concern						
Field Date:6/2/2017						
Notes: vertical cut on waterside access ramp slope about 2.5ft high, waterside berm 30'.						

LM Start	0.44	Rating **	A/W	Issue No.	2
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.713081 °	38.712895 °
				-121.666869 °	-121.667035 °
DWR ID	DWR_ST0011_02_f _ 2017_2				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:252					
Site Designation:LMA-60					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:6/2/2017					
Notes: vertical cut on waterside access ramp slope about 3ft high, waterside berm 30',					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/12/2017 09/12/2017	Zach Jojola

LM Start	0.44	Rating **	A/W	Issue No.	2 (cont)	
LM End	0.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.713081 °		38.712895 °
				-121.666869 °		-121.667035 °
DWR ID	DWR_ST0011_02_f_2017_2					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:252						
Site Designation:LMA-60						
Repair Type: Stability						
Rating:Area of Concern						
Field Date:6/2/2017						
Notes: vertical cut on waterside access ramp slope about 3ft high, waterside berm 30'.						

LM Start	<b>0.44</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2017\_252\_903.jpg



Photo 3 of 3 : LEVAL\_FA\_2017\_252\_904.jpg



* 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/12/2017 09/12/2017	Zach Jojola

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					
Ditch was deepened to approximately 10 ft.					

Photo 1 of 3 : FA\_2017\_ST0011\_292\_3\_20170911\_00001.jpg

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

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

Photo 2 of 3 : FA\_2017\_ST0011\_292\_3\_20170911\_00002.jpg



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

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

Photo 3 of 3 : FA\_2017\_ST0011\_292\_3\_20170911\_00003.jpg



View of the ditch on landward side. Fall 2016.

<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	09/12/2017 09/12/2017	Zach Jojola

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.					

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

Photo 1 of 2 : FA\_2017\_ST0011\_292\_5\_20170914\_00005.jpg



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

Photo 2 of 2 : FA\_2017\_ST0011\_292\_5\_20170911\_00004.jpg



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

<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**

**Unit Cover Sheet**

**Fall 2017 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)			<b>A</b>	
Date of Inspection	4/5/2017 - 4/5/2017		9/12/2017 - 9/12/2017	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Ted Skidgel Sacramento Maintenance Yard		Ted Skidgel 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/12/2017 09/12/2017	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	DWR UCIP Field Study			38.698204 °	38.698204 °	
				-121.674080 °	-121.674080 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52507 DS_ID:17756 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: 11/16/2017 2:23:11 PM						

Photo 1 of 3 : UCIP\_FA\_2017\_52507\_60378.jpg



Waterside view: an abandoned steel pipe.

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

Photo 2 of 3 : UCIP\_FA\_2017\_52507\_60377.jpg



Landside view: an abandoned steel 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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## Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/12/2017 09/12/2017	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	DWR UCIP Field Study			38.698204 °	38.698204 °	
				-121.674080 °	-121.674080 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52507 DS_ID:17756 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: 11/16/2017 2:23:11 PM						

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

LM Start	0.50	Rating **	A/W	Issue No.	2	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.691341 °	38.690973 °	
				-121.673241 °	-121.673475 °	
DWR ID	DWR_ST0011_03_f_2017_2					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:253						
Site Designation:LMA-61						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/2/2017						
Notes: WS access ramp slope erosion. No threat to the levee; ramp erosion beyond WS levee toe.						

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/12/2017 09/12/2017	Zach Jojola

LM Start	0.50	Rating **	A/W	Issue No.	2 (cont)	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.691341 °		38.690973 °
				-121.673241 °		-121.673475 °
DWR ID	DWR_ST0011_03_f_2017_2					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:253						
Site Designation:LMA-61						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/2/2017						
Notes: WS access ramp slope erosion. No threat to the levee; ramp erosion beyond WS levee toe.						

Photo 2 of 3 : LEVAL\_FA\_2017\_253\_918.jpg



Photo 3 of 3 : LEVAL\_FA\_2017\_253\_919.jpg



<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/12/2017 09/12/2017	Zach Jojola

LM Start	0.53	Rating **	A/W	Issue No.	3	
LM End	0.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.690973 °	38.688302 °	
				-121.673475 °	-121.673608 °	
DWR ID	DWR_ST0011_03_f_2017_3					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:254						
Site Designation:LMA-62						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/2/2017						
Notes: minor erosion at toe of levee						

LM Start	<b>0.53</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.71</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2017\_254\_926.jpg



Photo 2 of 3 : LEVAL\_FA\_2017\_254\_928.jpg



* 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	09/12/2017 09/12/2017	Zach Jojola

LM Start	0.53	Rating **	A/W	Issue No.	3 (cont)	
LM End	0.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.690973 °	38.688302 °	
				-121.673475 °	-121.673608 °	
DWR ID	DWR_ST0011_03_f_2017_3					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:254						
Site Designation:LMA-62						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/2/2017						
Notes: minor erosion at toe of levee						

Photo 3 of 3 : LEVAL\_FA\_2017\_254\_929.jpg



* 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 2017 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	4/18/2017 - 4/18/2017		9/19/2017 - 9/19/2017	
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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.06	Rating **	C	Issue No.	23
LM End	0.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.573482 °	38.573482 °
				-121.638734 °	-121.638734 °
DWR ID	DWR_ST0011_04_s_2017_23				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	M	Issue No.	26
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565896 °	38.565896 °
				-121.638740 °	-121.638740 °
DWR ID	DWR_ST0011_04_f_2017_26				
Comment Code					
EQ : Equipment					
Inspector Comment					
Railroad equipment on landside levee shoulder. This is a Board enforcement item.					

Photo 1 of 3 : FA\_2017\_ST0011\_294\_26\_20170919\_00037.jpg



View of railroad equipment on landside shoulder. Fall 2017.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA\_2017\_ST0011\_294\_26\_20170919\_00039.jpg



Additional view of equipment on landside shoulder. 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.58	Rating **	M	Issue No.	26 (cont)	
LM End	0.58	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.565896 °	38.565896 °	
				-121.638740 °	-121.638740 °	
DWR ID	DWR_ST0011_04_f_2017_26					
Comment Code						
EQ : Equipment						
Inspector Comment						
Railroad equipment on landside levee shoulder. This is a Board enforcement item.						

Photo 3 of 3 : FA\_2017\_ST0011\_294\_26\_20170919\_00040.jpg



View of unauthorized railroad crossing that material belongs to. Fall 2017.

LM Start	0.58	Rating **	M	Issue No.	25
LM End	0.58	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565895 °	38.565895 °
				-121.638741 °	-121.638741 °
DWR ID	DWR_ST0011_04_s_2017_25				
Comment Code					
EQ : Equipment					
Inspector Comment					
Railroad equipment on wateside levee shoulder. This is a Board enforcement item.					

Photo 1 of 2 : FA\_2017\_ST0011\_294\_25\_20170919\_00036.jpg



View of railroad equipment on wateside shoulder. Fall 2017.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA\_2017\_ST0011\_294\_25\_20170919\_00038.jpg



Additional equipment on the wateside shoulder. 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	33	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.565704 °		38.565704 °
				-121.638650 °		-121.638650 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch 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: 4/28/2015 2:58:55 PM						

Photo 1 of 3 : UCIP\_FA\_2017\_44826\_60517.jpg



Landside view: concrete headwall.

LM Start	<b>0.60</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_44826\_60516.jpg



Landside view: closer look at the headwall.

<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	33 (cont)	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.565704 °	38.565704 °	
				-121.638650 °	-121.638650 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch 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: 4/28/2015 2:58:55 PM						

Photo 3 of 3 : UCIP\_FA\_2017\_44826\_60520.jpg



Landside view: overview

LM Start	0.60	Rating **	M	Issue No.	27
LM End	0.60	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565794 °	38.565794 °
				-121.638367 °	-121.638367 °
DWR ID	DWR_ST0011_04_s_2017_27				
Comment Code					
EQ : Equipment					
Inspector Comment					
Railroad equipment on landside levee shoulder.					

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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	34
LM End	0.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565489 °	38.565489 °
				-121.638513 °	-121.638513 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44840					
DS_ID:527					
EP_NO: 6810					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 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: 4/28/2015 3:04:20 PM					

No Photos

LM Start	0.62	Rating **	M	Issue No.	35
LM End	0.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565473 °	38.565473 °
				-121.638505 °	-121.638505 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44841					
DS_ID:17741					
EP_NO: 6810					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 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: 4/28/2015 3:04:32 PM					

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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.68	Rating **	M	Issue No.	12
LM End	0.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.564543 °	38.564403 °
				-121.638355 °	-121.638359 °
DWR ID	DWR_ST0011_04_f_2016_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Depression within crown on paved section of levee.					

Photo 1 of 2 : FA\_2017\_ST0011\_294\_12\_20170919\_00041.jpg



Updated view of crown depression. Fall 2017.

LM Start	<b>0.68</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>0.69</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA\_2017\_ST0011\_294\_12\_20170911\_00005.jpg



Asphalt paved crown has depression at this site. 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.77	Rating **	A/W	Issue No.	15
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	DWR_ST0011_04_f_2017_15				
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.					

LM Start	<b>0.77</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2017\_205\_705.jpg



Photo 2 of 3 : LEVAL\_FA\_2017\_205\_715.jpg



<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.77	Rating **	A/W	Issue No.	15 (cont)	
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	DWR_ST0011_04_f_2017_15					
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.						

Photo 3 of 3 : LEVAL\_FA\_2017\_205\_716.jpg



LM Start	0.77	Rating **	C	Issue No.	30
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.563251 °	38.563251 °
				-121.638299 °	-121.638299 °
DWR ID	DWR_ST0011_04_s_2017_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Large sloughing section on landside levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.78	Rating **	C	Issue No.	32
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.563181 °	38.562769 °
				-121.638306 °	-121.638309 °
DWR ID	DWR_ST0011_04_s_2017_32				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Section of wave wash erosion on waterside levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.78	Rating **	U	Issue No.	36
LM End	0.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.563163°	38.563163°
				-121.638322°	-121.638322°
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:52492  
DS\_ID:529  
EP\_NO: 2849  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 09/19/2017 DWR Levee Inspector, Zachary Jojola, visited the site and it appears that Caltrans has completed some maintenance to clear out vegetation adjacent to the pipe (see updated photos). Work at this site, by Caltrans, is still in progress. (DWR UCIP - O. Magana) 07/17/2017 Received notification from the DWR Levee Inspection Section that the CVFPB sent out an Enforcement Letter dated July 14, 2017 for noncompliant 36-inch pipe authorized under Permit No. 2849 and referenced as Enforcement Case: 2016-514. The CVFPB is requesting Caltrans (pipe owner) to include in the 36-inch CMP drain Repair Plan the following items: provide adequate drainage capacity through the levee for current freeway conditions, prevent the flooding of County Road 32A and East Chiles Road underneath I-80, and prevent highway drainage from falling on top of the West Levee of the Yolo Bypass. Owner has until August 14, 2017 to respond to CVFPB's letter. (DWR UCIP - O. Magana) 04/20/2017 As per Spring 2015 inspection photos, Zach Jojola, DWR Inspector, informed me of flap gate not closing completely. Need to remove any obstructions so that gate can function properly. Crossing has been upgraded from No Action to Urgent. (K. Fazel - DWR)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. (36-inch pipe authorized under Permit No. 2849, 1958 - California Department of Transportation [Caltrans], District 3). [Additional Reference(s): DWR Levee Log, 2004].  
FS Date: 9/19/2017

Photo 1 of 3 : UCIP\_FA\_2017\_52492\_60527.jpg



Waterside view: overview

<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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.78	Rating **	U	Issue No.	36 (cont)	
LM End	0.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.563163 °	38.563163 °	
				-121.638322 °	-121.638322 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52492 DS_ID:529 EP_NO: 2849 Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/19/2017 DWR Levee Inspector, Zachary Jojola, visited the site and it appears that Caltrans has completed some maintenance to clear out vegeration adjacent to the pipe (see updated photos). Work at this site, by Caltrans, is still in progress. (DWR UCIP - O. Magana) 07/17/2017 Received notification from the DWR Levee Inspection Section that the CVFPB sent out an Enforcement Letter dated July 14, 2017 for noncompliant 36-inch pipe authorized under Permit No. 2849 and referenced as Enforcement Case: 2016-514. The CVFPB is requesting Caltrans (pipe owner) to include in the 36-inch CMP drain Repair Plan the following items: provide adequate drainage capacity through the levee for current freeway conditions, prevent the flooding of County Road 32A and East Chiles Road underneath I-80, and prevent highway drainage from falling on top of the West Levee of the Yolo Bypass. Owner has until August 14, 2017 to respond to CVFPB's letter. (DWR UCIP – O. Magana)04/20/2017 As per Spring 2015 inspection photos, Zach Jojola, DWR Inspector, informed me of flap gate not closing completely. Need to remove any obstructions so that gate can function properly. Crossing has been upgraded from No Action to Urgent. (K. Fazel - DWR) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. (36-inch pipe authorized under Permit No. 2849, 1958 - California Department of Transportation [Caltrans], District 3). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 9/19/2017						

Photo 2 of 3 : UCIP\_FA\_2017\_52492\_60525.jpg



Waterside view: pipe and 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	0.78	Rating **	U	Issue No.	36 (cont)
LM End	0.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.563163 °	38.563163 °
				-121.638322 °	-121.638322 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:52492 DS_ID:529 EP_NO: 2849 Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/19/2017 DWR Levee Inspector, Zachary Jojola, visited the site and it appears that Caltrans has completed some maintenance to clear out vegaion adjacent to the pipe (see updated photos). Work at this site, by Caltrans, is still in progress. (DWR UCIP - O. Magana) 07/17/2017 Received notification from the DWR Levee Inspection Section that the CVFPB sent out an Enforcement Letter dated July 14, 2017 for noncompliant 36-inch pipe authorized under Permit No. 2849 and referenced as Enforcement Case: 2016-514. The CVFPB is requesting Caltrans (pipe owner) to include in the 36-inch CMP drain Repair Plan the following items: provide adequate drainage capacity through the levee for current freeway conditions, prevent the flooding of County Road 32A and East Chiles Road underneath I-80, and prevent highway drainage from falling on top of the West Levee of the Yolo Bypass. Owner has until August 14, 2017 to respond to CVFPB's letter. (DWR UCIP – O. Magana)04/20/2017 As per Spring 2015 inspection photos, Zach Jojola, DWR Inspector, informed me of flap gate not closing completely. Need to remove any obstructions so that gate can function properly. Crossing has been upgraded from No Action to Urgent. (K. Fazel - DWR) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. (36-inch pipe authorized under Permit No. 2849, 1958 - California Department of Transportation [Caltrans], District 3). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 9/19/2017					

Photo 3 of 3 : UCIP\_FA\_2017\_52492\_60524.jpg



Waterside view: closer look at pipe and flap gate

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	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\_2017\_ST0011\_294\_6\_20170911\_00004.jpg



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

LM Start	0.99	Rating **	M	Issue No.	37
LM End	0.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560139 °	38.560139 °
				-121.638007 °	-121.638007 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44842					
DS_ID:530					
EP_NO: 6844					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 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: 4/28/2015 3:04:44 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	<b>0.99</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>0.99</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560128 °	38.560128 °
				-121.638004 °	-121.638004 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44843 DS_ID:17739 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 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: 4/28/2015 3:04:58 PM					

No Photos

LM Start	<b>0.99</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>0.99</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560117 °	38.560117 °
				-121.638001 °	-121.638001 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44844 DS_ID:17740 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 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: 4/28/2015 3:05:16 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	1.00	Rating **	C	Issue No.	16
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.559998 °	38.559998 °
				-121.638014 °	-121.638014 °
DWR ID	DWR_ST0011_04_f_2016_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.44	Rating **	C	Issue No.	21
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.554636 °	38.554636 °
				-121.633619 °	-121.633619 °
DWR ID	DWR_ST0011_04_f_2016_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Animal burrow at LS toe.					

No Photos

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\_2017\_ST0011\_294\_3\_20170911\_00001.jpg



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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	40
LM End	2.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °
				-121.631172 °	-121.631172 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44822 DS_ID:17736 EP_NO: 10306 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. Flap 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)]. FS Date: 4/28/2015 2:57:49 PM					

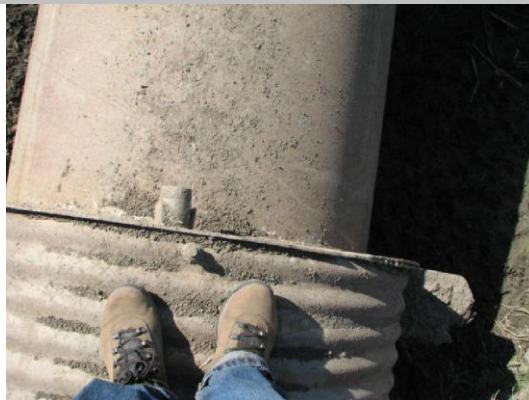
LM Start	<b>2.10</b>	Rating **	A/W	Issue No.	<b>40 (cont)</b>
LM End	<b>2.10</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2017\_44822\_24980.jpg



Landside view: 42-inch steel pipe inside a 48-inch CMP

Photo 2 of 3 : UCIP\_FA\_2017\_44822\_24979.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

<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 Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	40 (cont)	
LM End	2.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.545646 °		38.545646 °
				-121.631172 °		-121.631172 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44822 DS_ID:17736 EP_NO: 10306 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. Flap 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)]. FS Date: 4/28/2015 2:57:49 PM						

A large, corrugated metal pipe, likely a culvert or drainage pipe, lies on the ground. The pipe is partially buried in soil and surrounded by dry grass and debris. The image highlights the need for proper disposal of such materials.

Landside view: closer look at 42-inch steel pipe and 48-inch CMP

LM Start	2.11	Rating **	A/W	Issue No.	19
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545430 °	38.545430 °
				-121.631211 °	-121.631211 °
DWR ID	DWR_ST0011_04_f _ 2016_19				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.					

Closer view of erosion. Fall 2016.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.11	Rating **	A/W	Issue No.	19 (cont)	
LM End	2.11	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.545430 °		38.545430 °
				-121.631211 °		-121.631211 °
DWR ID	DWR_ST0011_04_f_2016_19					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.						

Photo 2 of 2 : FA\_2017\_ST0011\_294\_19\_20170911\_00010.jpg



View of erosion on landside levee slope. Fall 2016.

LM Start	2.14	Rating **	M	Issue No.	17
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545022 °	38.545022 °
				-121.631209 °	-121.631209 °
DWR ID	DWR_ST0011_04_f_2016_17				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.					

Photo 1 of 2 : FA\_2017\_ST0011\_294\_17\_20170911\_00007.jpg



Closer view of erosion. Fall 2016.

LM Start	<b>2.14</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.14</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2017\_ST0011\_294\_17\_20170911\_00008.jpg



View of erosion at landside levee 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.23	Rating **	M	Issue No.	41
LM End	2.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.543645 °	38.543645 °
				-121.631199 °	-121.631199 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44838 DS_ID:532 EP_NO: 13135 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 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: 4/28/2015 3:03:13 PM					

No Photos

LM Start	2.50	Rating **	M	Issue No.	42	
LM End	2.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.539852 °	38.539852 °	
				-121.631247 °	-121.631247 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44839						
DS_ID:584						
EP_NO: 13350						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 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: 4/28/2015 3:03:26 PM						

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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.61	Rating **	M	Issue No.	22
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.538117 °	38.538117 °
				-121.631293 °	-121.631293 °
DWR ID	DWR_ST0011_04_f_2017_22				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
50' crack on landside hinge point.					

Photo 1 of 1 : FA\_2017\_ST0011\_294\_22\_20170919\_00042.jpg



View of cracking on landside hinge point. Fall 2017.

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_s_2012_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\_2017\_ST0011\_294\_4\_20170911\_00002.jpg



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

LM Start	<b>2.75</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>3.60</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2017\_ST0011\_294\_4\_20170911\_00003.jpg



Looking west at the agricultural ditch. 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.76	Rating **	A/W	Issue No.	18
LM End	2.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.535980 °	38.535037 °
				-121.631430 °	-121.631416 °
DWR ID	DWR_ST0011_04_f_2017_18				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:204					
Site Designation:ST11-U4-01					
Repair Type: Erosion					
Rating:Critical					
Field Date:6/5/2017					
Notes: riparian scrub					

LM Start	<b>2.76</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>2.83</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2017\_204\_739.jpg



Photo 2 of 3 : LEVAL\_FA\_2017\_204\_742.jpg



* 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 2017**

**Sacramento Maintenance Yard West Levee Yolo Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	09/19/2017 09/19/2017	Zach Jojola

LM Start	2.76	Rating **	A/W	Issue No.	18 (cont)	
LM End	2.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.535980 °	38.535037 °	
				-121.631430 °	-121.631416 °	
DWR ID	DWR_ST0011_04_f_2017_18					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:204						
Site Designation:ST11-U4-01						
Repair Type: Erosion						
Rating:Critical						
Field Date:6/5/2017						
Notes: riparian scrub						

Photo 3 of 3 : LEVAL\_FA\_2017\_204\_748.jpg



* 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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