

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2068		Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2068 Yolo		A	8.71						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.10		0.10	1.15%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.13				
DRAFT DWR UCIP LMA Responsibility									
<i>LMA Totals:</i>	0.10	0.00	0.10	1.15%	0.13	0.00	0.00	0.00	
Unit No. 01 Yolo Bypass RB		Overall Unit Rating	Total Unit Miles						
RD2068		A	5.48						
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>									
DRAFT DWR UCIP Field Study					0.05				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.05	0.00	0.00	0.00	
Unit No. 02 Back Levee LB		Overall Unit Rating	Total Unit Miles						
RD2068		A	3.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.10		0.10	3.10%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.08				
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.10	0.00	0.10	3.10%	0.08	0.00	0.00	0.00	

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

Reclamation District No. 2068 Yolano

	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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles
Unit No. 01 Yolo Bypass	Right	5.48

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/26/2019 - 3/26/2019		10/31/2019 - 10/31/2019	
DWR Inspector	David Julian		David Julian	
Accompanied By	Bryan Busch RD 2068		Bryan Busch RD 2068	

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

Reclamation District No. 2068 Yolo

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_RD2068_01_f_2014_3				
Comment Code					
Inspector Comment					
RD 2068 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_RD2068_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 2068 crew members are trained yearly.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_RD2068_01_f_2014_5				
Comment Code					
Inspector Comment					
RD 2068 has emergency supplies stored.					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	0.49	Rating **	M	Issue No.	30
LM End	0.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.401440°	38.401440°
				-121.693750°	-121.693750°
DWR ID	19331				
Comment Code					
Inspector Comment					
DS_ID:19331 FS_ID:17445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, crossing is a drainage pipe. According to Mr. Hadesty, levees were raised about 5 feet in 1961. (O. Magana - DWR UCIP) 08/08/2013 Pipe ends covered in soil. May be abandoned and if so it should be done properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch drainage corrugated metal pipe (CMP) through the levee, 6.6 feet below the crown. Flap gates on both ends. Pipe ends covered by dirt. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 109, April 1962, (HLM 0.49)]. FS Date: 8/8/2013					

No Photos

LM Start	0.51	Rating **	A	Issue No.	9
LM End	5.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401153°	38.329513°
				-121.693832°	-121.694075°
DWR ID	DWR_RD2068_01_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained.					

Photo 1 of 1 : FA_2019_RD2068_193_9_20191031_00017.jpg



View looking downstream at well maintained vegetation on the waterside 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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	0.51	Rating **	A	Issue No.	10
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401153°	38.329513°
				-121.693832°	-121.694075°
DWR ID	DWR_RD2068_01_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained.					

Photo 1 of 1 : FA_2019_RD2068_193_10_20191031_00018.jpg



View looking downstream at well maintained annual vegetation on the landside slope (Fall 2019).

LM Start	1.99	Rating **	M	Issue No.	31
LM End	1.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.379660°	38.379660°
				-121.693870°	-121.693870°
DWR ID	19334				
Comment Code					
Inspector Comment					
DS_ID:19334 FS_ID:17545 EP_NO: 12389 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. Per LMA records, 5/2000 PG&E map shows line active and 4/2002 PG&E maps shows line abandoned. Need to coordinate with PG&E to confirm line was abandoned in 2002. (O. Magana - DWR UCIP) 08/08/2013 Need to determine disposition of pipe with PG&E. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 6-inch coated steel gas line through the levee, 4 feet below the crown. (Permit No. 12389, 1978 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 8/8/2013					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	2.00	Rating **	M	Issue No.	32
LM End	2.00	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.379560°	38.379560°	
			-121.693870°	-121.693870°	
DWR ID	19345				
Comment Code					
Inspector Comment					
DS_ID:19345 FS_ID:17547 EP_NO: 7260 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. Need to contact PG&E to determine line status. (O. Magana - DWR UCIP) 08/08/2013 Need to determine disposition of pipe with PG&E. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 4-inch gas line of an unknown material through the levee, 2 feet below the crown. (Permit No. 7260, 1970 - Pacific Gas and Electric Company [PG&E]). This pipe replaced a 4-inch temporary pipe also covered under this permit. FS Date: 8/8/2013					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	2.49	Rating **	M	Issue No.	33
LM End	2.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.372547°	38.372547°
				-121.693956°	-121.693956°
DWR ID	19329				
Comment Code					
Inspector Comment					
<p>DS_ID:19329 FS_ID:17548 EP_NO: 13028 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. Per LMA, markers were present 5/2013. Need to coordinate with PG&E to determine line status. Need photos of markers. (O. Magana - DWR UCIP) 08/08/2013 Need to determine disposition of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 10-inch coated steel pipe through the levee, 2 feet below the crown. 4-inch gas line sleeved through the 10-inch pipe. (Permit No. 13028, 1980 - Shell Oil Company). FS Date: 8/8/2013</p>					

No Photos

LM Start	3.11	Rating **	A/W	Issue No.	14
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.363450°	38.362340°
				-121.694030°	-121.694060°
DWR ID	LMA-281				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments Description: The damage consists of scour, cracking, and sloughing of the landside levee slope approximately 40 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos. Site ID No: 454 Site Designation: LMA-281 Repair Type: Stability Rating: Serious Field Date: 7/26/2017 Notes: Site combined in field with LMA-279 & LMA-282; site length redefined to reflect the changes.</p>					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	3.16	Rating **	A/W	Issue No.	20
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.362765°	38.362278°	
			-121.694040°	-121.694050°	
DWR ID	DWR_RD2068_01_f_2018_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair the slope instability.					

Photo 1 of 2 : FA_2019_RD2068_193_20_20190826_00003.jpg



View of slope instability on the landside.

LM Start	3.16	Rating **	A/W	Issue No.	20 (cont)
LM End	3.19	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD2068_193_20_20190826_00004.jpg



View of the slope instability.

* 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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	3.16	Rating **	A/W	Issue No.	12
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.362700 °	38.360200 °
				-121.694000 °	-121.694100 °
DWR ID	LMA-280				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments Description: The damage consists of cracking of the upper and mid landside levee slope approximately 904 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos. Site ID No: 453 Site Designation: LMA-280 Repair Type: Stability Rating: Area of Concern Field Date: 7/26/2017 Notes: Photo only.</p>					

No Photos

LM Start	3.27	Rating **	A/W	Issue No.	11
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.361087 °	38.358140 °
				-121.694055 °	-121.694057 °
DWR ID	DWR_RD2068_01_s_2019_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
District graded the levee to fix the erosion spots. Monitor to see if rainwater erodes the slope again.					

Photo 1 of 3 : FA_2019_RD2068_193_11_20191031_00019.jpg



View looking upstream at erosion spots that LMA repaired (Fall 2019).

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

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	3.27	Rating **	A/W	Issue No.	11 (cont)
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.361087°	38.358140°
				-121.694055°	-121.694057°
DWR ID	DWR_RD2068_01_s_2019_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
District graded the levee to fix the erosion spots. Monitor to see if rainwater erodes the slope again.					

Photo 2 of 3 : FA_2019_RD2068_193_11_20190826_00001.jpg



View looking downstream at erosion due to rainfall on the landside slope (Spring 2019).

LM Start	3.27	Rating **	A/W	Issue No.	11 (cont)
LM End	3.48	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2019_RD2068_193_11_20190826_00002.jpg



View looking downslope at erosion due to rainfall on the landside slope (Spring 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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	3.49	Rating **	M	Issue No.	34
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.358040°	38.358040°	
			-121.694040°	-121.694040°	
DWR ID	19335				
Comment Code					
Inspector Comment					
DS_ID:19335 FS_ID:51451 EP_NO: 7220 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 12/06/2016 Line is abandoned according to a map obtained by the LMA. Gas line is labelled abandoned according to the map labelled "California Gas Transmission, Gas System Maintenance and Technical Support, Geographic Information Services", 5/10/2000 4:20 pm, City Solano, Division Sacramento, Zone 2, Wallmap #2-2649. Crossing has been downgraded from "Urgent" to "Non-Urgent" due to the supporting documentation provided by LMA to indicate gas line is abandoned. Need to contact owner to obtain as-builts for line abandonment. (O. Magana - DWR UCIP)08/08/2013 Pipe needs to have markers installed on both sides of levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 6.625-inch gas line of an unknown material through the levee, 3 feet below the crown. (Permit No. 7220, 1970 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 12/6/2016					

Photo 1 of 3 : UCIP_FA_2019_51451_76850.jpg



View of WS.

LM Start	3.49	Rating **	M	Issue No.	34 (cont)
LM End	3.49	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_51451_76851.jpg



Overview of levee crown where crossing should be.

* 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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/31/2019 10/31/2019	David Julian

LM Start	3.49	Rating **	M	Issue No.	34 (cont)
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.358040°	38.358040°
				-121.694040°	-121.694040°
DWR ID	19335				
Comment Code					
Inspector Comment					
DS_ID:19335 FS_ID:51451 EP_NO: 7220 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 12/06/2016 Line is abandoned according to a map obtained by the LMA. Gas line is labelled abandoned according to the map labelled "California Gas Transmission, Gas System Maintenance and Technical Support, Geographic Information Services", 5/10/2000 4:20 pm, City Solano, Division Sacramento, Zone 2, Wallmap #2-2649. Crossing has been downgraded from "Urgent" to "Non-Urgent" due to the supporting documentation provided by LMA to indicate gas line is abandoned. Need to contact owner to obtain as-builts for line abandonment. (O. Magana - DWR UCIP)08/08/2013 Pipe needs to have markers installed on both sides of levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 6.625-inch gas line of an unknown material through the levee, 3 feet below the crown. (Permit No. 7220, 1970 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 12/6/2016					

Photo 3 of 3 : UCIP_FA_2019_51451_76852.jpg



View of LS.

* 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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles
Unit No. 02 Back Levee	Left	3.22

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/26/2019 - 3/26/2019		10/31/2019 - 10/31/2019	
DWR Inspector	David Julian		David Julian	
Accompanied By	Bryan Busch RD 2068		Bryan Busch RD 2068	

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	0.01	Rating **	M	Issue No.	15
LM End	0.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.358105°	38.358105°
				-121.740404°	-121.740404°
DWR ID	19353				
Comment Code					
Inspector Comment					
DS_ID:19353 FS_ID:17505 EP_NO: 13490 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2014 Per LMA records, location needs to be updated line is located on the south side of the road. Location was updated from 38.35825, -121.740377 to 38.358105, -121.740404. (O. Magana - DWR UCIP) 08/08/2013 Appears abandoned. Need to verify pipe status with PG&E. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch coated steel gas line through the levee, 3.5 feet below the crown. (Permit No. 13490, 1982 - Pacific Gas and Electric Company [PG&E]). FS Date: 8/8/2013					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	0.83	Rating **	M	Issue No.	16
LM End	0.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.370205°	38.370205°
				-121.740170°	-121.740170°
DWR ID	19346				
Comment Code					
Inspector Comment					
DS_ID:19346 FS_ID:41560 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. Per LMA, there is no evidence of pipe. (O. Magana - DWR UCIP) 08/08/2013 No pipe found. Verify abandonment with RD 2068. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe of an unknown material or purpose through the levee, 9 feet below the crown. No control valves. Cannot be located. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 109, April 1962, (HLM 0.83)]. FS Date: 8/8/2013					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	0.85	Rating **	M	Issue No.	17
LM End	0.85	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.370422°	38.370422°	
			-121.740163°	-121.740163°	
DWR ID	19358				
Comment Code					
Inspector Comment					
DS_ID:19358 FS_ID:17507 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. According to Mr. Hadesty and Bush, pipe and appurtenances were removed from the levee during the summer of 2012. (O. Magana - DWR UCIP) 08/08/2013 Verify abandonment with RD 2068. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *REMOVED* 18-inch steel irrigation pipe through the levee, 7.5 feet below the crown. Slide gate in a concrete distribution box on both ends. (Removed under Permit No. 9762, 1974 - Reclamation District No. 2068). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 109, April 1962, (HLM 0.84)]. FS Date: 8/8/2013					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	0.86	Rating **	M	Issue No.	18
LM End	0.86	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.370556°	38.370556°	
			-121.740159°	-121.740159°	
DWR ID	19359				
Comment Code					
Inspector Comment					
DS_ID:19359 FS_ID:21052 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. According to Mr. Hadesty and Bush, pipe was removed from the levee and slopes during the summer of 2012. (O. Magana - DWR UCIP) 08/08/2013 Verify abandonment of pipe with RD 2068. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *REMOVED* Unknown size irrigation pipe through the levee at an unknown depth below the crown. FS Date: 8/8/2013					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	0.91	Rating **	M	Issue No.	20
LM End	0.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.371273°	38.371273°
				-121.740138°	-121.740138°
DWR ID	19355				
Comment Code					
Inspector Comment					
DS_ID:19355 FS_ID:17531 EP_NO: 8151 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. Per LMA records, line is an active line. New owner is Calpine. Need to coordinate with Calpine to update permit and obtain records to confirm line integrity. (O. Magana - DWR UCIP) 08/08/2013 Appears abandoned. Need to verify with pipeline owner. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch coated steel gas line through the levee, 3 feet below the crown. Gas line markers visible on the east toe of the levee at the intersection of the levee and Delhi Road. (Permit No. 8151, 1972 - Dow Chemical). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 8/8/2013					

Photo 1 of 2 : UCIP_FA_2019_17531_29641.jpg



Gasline markers next to old rail road grade, looking south.

LM Start	0.91	Rating **	M	Issue No.	20 (cont)
LM End	0.91	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_17531_29640.jpg



Gasline markers on east side of levee toe looking North.

* 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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	0.91	Rating **	M	Issue No.	10
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.371395°	38.372627°	
			-121.740157°	-121.739170°	
DWR ID	DWR_RD2068_02_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2068_194_10_20191031_00007.jpg



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

LM Start	1.02	Rating **	C	Issue No.	14
LM End	1.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.372742°	38.381875°	
			-121.739063°	-121.730873°	
DWR ID	DWR_RD2068_02_s_2019_14				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Maintain annual vegetation on the crown.					

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

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/31/2019 10/31/2019	David Julian

LM Start	1.07	Rating **	M	Issue No.	21 (cont)
LM End	1.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.373330 °	38.373330 °
				-121.738530 °	-121.738530 °
DWR ID	19354				
Comment Code					
Inspector Comment					
DS_ID:19354 FS_ID:17532 EP_NO: 13028 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/13/2013 Need improved signage on LS and WS shoulders. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 10-inch coated steel pipe through the levee, 2 feet below the crown. 4-inch gas line sleeved through the 10-inch pipe. Sign missing from marker post on east slope. 2-inch vent pipe with identification sign off the west bank of the levee and off the toe of the east side of the levee at the fence. (Permit No. 13028, 1980 - Shell Oil Company). FS Date: 8/13/2013					

Photo 3 of 3 : UCIP_FA_2019_17532_29642.jpg



Vent and signage off WS toe.

LM Start	2.82	Rating **	M	Issue No.	22
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.393943 °	38.393943 °
				-121.719991 °	-121.719991 °
DWR ID	19350				
Comment Code					
Inspector Comment					
DS_ID:19350 FS_ID:17538 EP_NO: 1195 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 12/22/2016 Met with Mike Hadesty, LMA Superintendent, and Brian Bush, LMA General Manager, to go over the list of pipes in RD2068. Per LMA records, line has been deactivated since 4/2002 according to PG&E facility map. Need to coordinate with PG&E to confirm deactivation of line. (O. Magana - DWR UCIP) 08/13/2013 Need to determine disposition of gas line. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 10.75-inch steel gas line through the levee, 2 feet below the crown. (Permit No. 1195, 1947 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 8/13/2013					

No Photos

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

