

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 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)				

** 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

Spring 2016 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)				
Date of Inspection	4/6/2016 - 4/6/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mike Hardesty 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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	04/06/2016 04/06/2016	Herman Phillips

LM Start	0.49	Rating **	M	Issue No.	15
LM End	0.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.401440 °	38.401440 °
				-121.693750 °	-121.693750 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17445 DS_ID:19331 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Pipe ends covered in soil. May be abandoned and if so it should be done properly. FIELD_STRUCT_DESC: 14-inch corrugated metal pipe through the level 6.6 feet below the crown. Flap gates on both ends. Pipe ends covered by dirt (O&M, 1962). FS Date: 8/8/2013					

No Photos

LM Start	0.52	Rating **	M	Issue No.	9
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401050 °	38.329078 °
				-121.693805 °	-121.694058 °
DWR ID	DWR_RD2068_01_s_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The RD will have this vegetation removed from the levee slope.					

Photo 1 of 1 : SP_2016_RD2068_193_9_20160408_00001.jpg



Looking downstream from levee mile 0.52 landside levee slope.

* 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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	04/06/2016 04/06/2016	Herman Phillips

LM Start	1.99	Rating **	M	Issue No.	12
LM End	1.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.379660 °	38.379660 °
				-121.693870 °	-121.693870 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17545 DS_ID:19334 EP_NO: 12389 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe with PG&E. FIELD_STRUCT_DESC: 6-inch gas line through the levee 4 feet below the crown (Permit No. 12389, 1978). FS Date: 8/8/2013					

No Photos

LM Start	2.00	Rating **	M	Issue No.	13
LM End	2.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.379560 °	38.379560 °
				-121.693870 °	-121.693870 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17547 DS_ID:19345 EP_NO: 7260 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe with PG&E. FIELD_STRUCT_DESC: 2 of 2: 4-inch gas line through the levee 2 feet below the crown (Permit No. 7260, 1974). 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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	04/06/2016 04/06/2016	Herman Phillips

LM Start	2.49	Rating **	M	Issue No.	14
LM End	2.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.372547 °	38.372547 °
				-121.693956 °	-121.693956 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17548 DS_ID:19329 EP_NO: 13028 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 10-inch steel pipe through the level 2 feet below the crown. A 4-inch gas line is sleeved through the 10-inch pipe. (Permit No. 13028, 1981). FS Date: 8/8/2013					

No Photos

LM Start	2.50	Rating **	M	Issue No.	11
LM End	5.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.372265 °	38.329078 °
				-121.693940 °	-121.694058 °
DWR ID	DWR_RD2068_01_s_2016_11				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	04/06/2016 04/06/2016	Herman Phillips

LM Start	3.49	Rating **	U	Issue No.	16
LM End	3.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358040 °	38.358040 °
				-121.694040 °	-121.694040 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41840 DS_ID:19335 EP_NO: 7220 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Pipe needs to have markers installed on both sides of levee. FIELD_STRUCT_DESC: 6.625-inch gas line through the levee 3 feet below the crown (Permit No. 7220, 1971). FS Date: 8/8/2013					

No Photos

LM Start	5.48	Rating **	M	Issue No.	10
LM End	5.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.329078 °	38.329078 °
				-121.694058 °	-121.694058 °
DWR ID	DWR_RD2068_01_s_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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**

Unit Cover Sheet

Spring 2016 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)				
Date of Inspection	4/6/2016 - 4/6/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mike Hardesty RD 2068			

Summer & Winter Inspections

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	04/06/2016 04/06/2016	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	14
LM End	0.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358250 °	38.358250 °
				-121.740377 °	-121.740377 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17505 DS_ID:19353 EP_NO: 13490 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Appears abandoned. Need to verify pipe status with PG&E. FIELD_STRUCT_DESC: 4-inch steel gas pipeline through the levee 3.5 feet below the crown (Permit No. 13490, 1982). FS Date: 8/8/2013					

No Photos

LM Start	0.02	Rating **	M	Issue No.	9
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358465 °	38.358527 °
				-121.740383 °	-121.740386 °
DWR ID	DWR_RD2068_02_f_2015_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	04/06/2016 04/06/2016	Herman Phillips

LM Start	0.03	Rating **	M	Issue No.	11
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.358546 °	38.370343 °	
			-121.740381 °	-121.740170 °	
DWR ID	DWR_RD2068_02_s_2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
RD 2068 In process of mowing the levee section during this inspection.					

Photo 1 of 1 : SP_2016_RD2068_194_11_20160408_00007.jpg



Looking downstream from levee mile 0.03 unit 2 RD 2068.

LM Start	0.03	Rating **	M	Issue No.	13
LM End	0.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.358546 °	38.370343 °	
			-121.740384 °	-121.740166 °	
DWR ID	DWR_RD2068_02_s_2016_13				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep the crown roadway free of vegetation. The Crown road way must be free of vegetation and must be graveled.					

No Photos

LM Start	0.04	Rating **	M	Issue No.	12
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.358733 °	38.398789 °	
			-121.740382 °	-121.715637 °	
DWR ID	DWR_RD2068_02_s_2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The RD was mowing the levee section during this inspection.					

No Photos

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	04/06/2016 04/06/2016	Herman Phillips

LM Start	0.83	Rating **	M	Issue No.	21
LM End	0.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370205 °	38.370205 °
				-121.740170 °	-121.740170 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41560 DS_ID:19346 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No pipe found. Verify abandonment with RD 2068. FIELD_STRUCT_DESC: 24-inch pipe through the levee 9.0 feet below crown. No control valves. Cannot be located. Originally included in O&M manual, 1962. FS Date: 8/8/2013					

No Photos

LM Start	0.85	Rating **	M	Issue No.	15
LM End	0.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370422 °	38.370422 °
				-121.740163 °	-121.740163 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17507 DS_ID:19358 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Verify abandonment with RD 2068. FIELD_STRUCT_DESC: *REMOVED* 18-inch steel irrigation pipe through the levee 7.5 feet below the crown. Slidegate in concrete distribution box on both ends (O&M, 1962). Removed under Permit No. 9762, 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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	04/06/2016 04/06/2016	Herman Phillips

LM Start	0.86	Rating **	M	Issue No.	19
LM End	0.86	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370556 °	38.370556 °
				-121.740159 °	-121.740159 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21052 DS_ID:19359 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Verify abandonment of pipe with RD 2068. 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

LM Start	0.87	Rating **	M	Issue No.	20
LM End	0.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370783 °	38.370783 °
				-121.740152 °	-121.740152 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21053 DS_ID:19347 EP_NO: 10164 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Verify abandonment with RD 2068. FIELD_STRUCT_DESC: 1 of 6: 30-inch corrugated metal pipe through the levee 10.2 feet below the crown (ABO No. 10164, 1974). Originally included in the O&M manual, 1962. 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 - Spring 2016

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	04/06/2016 04/06/2016	Herman Phillips

LM Start	0.91	Rating **	M	Issue No.	16
LM End	0.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.371273 °	38.371273 °
				-121.740138 °	-121.740138 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:17531 DS_ID:19355 EP_NO: 8151 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned. Need to verify with pipeline owner. FIELD_STRUCT_DESC: 8-inch steel gas pipe through the levee 3 feet below the crown (Permit No. 8151, 1972). Gasline markers visible on east toe of levee at intersection of levee and Delhi road. FS Date: 8/8/2013					

Photo 1 of 2 : UCIP_SP_2016_17531_29641.jpg



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

LM Start	0.91	Rating **	M	Issue No.	16 (cont)
LM End	0.91	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_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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