

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
RD2096								
Reclamation District No. 2096								
Wetherbee Lake								
	Overall LMA Rating	Total LMA Miles						
	A	0.16						
<i>Earthen Levee</i>								
Encroachments					0.06			
Slope Stability	0.01		0.01	6.07%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>LMA Totals:</i>	0.01	0.00	0.01	6.07%	0.07	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2015 Levee Inspection Results**

Reclamation District No. 2096 Wetherbee Lake

	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 2015 Levee Inspection Results

Reclamation District No. 2096 Wetherbee Lake

Waterway		Bank	Unit Miles	
Unit No. 01 San Joaquin River		Right	0.16	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/07/2015 - 05/07/2015		11/06/2015 - 11/06/2015	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Randy Barker RD2096		Randy Barker RD2096	

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
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Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2096 Wetherbee Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	11/06/2015 11/06/2015	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2096_01_s_2013_1				
Action/Comments					
Inspector Comments: O&M Manual is at the LMA's office.					

No Photos

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2096_01_s_2013_2				
Action/Comments					
Inspector Comments: Emergency supplies available.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2096_01_s_2013_4				
Action/Comments					
Inspector Comments: LMA has a flood response plan in the office.					

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 2015

Reclamation District No. 2096 Wetherbee Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	11/06/2015 11/06/2015	Maksim Khashchuk

LM Start	0.03	Rating **	M	Issue No.	14
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.773800 °	37.773800 °
				-121.298428 °	-121.298428 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21506 DS_ID:24666 EP_NO: N/A FS_HLM: 0.027 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - more information needs to be find from LMA/DWR Inspector for this crossing. - needs to find whether this pipe passes through the levee. FIELD_STRUCT_DESC: A 4-inch steel pipe through the levee and to pump platform, 3 ft. below the crown. It is a element of pumping plant. Field study discovered utility crossing. FS Date: 09/10/2013					

Photo 1 of 2 : UCIP_FA_2015_2276.jpg



LS view: closer view of 4-inch steel pipe (left) through the levee and to pump platform.

LM Start	0.03	Rating **	M	Issue No.	14 (cont)
LM End	0.03	Issue Type +	En	Location *	N/A

Photo 2 of 2 : UCIP_FA_2015_2277.jpg



LS view: 4-inch steel pipe (right) through the levee and to pump platform.

* 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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Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2096 Wetherbee Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	11/06/2015 11/06/2015	Maksim Khashchuk

LM Start	0.05	Rating **	M	Issue No.	3
LM End	0.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.773495 °	37.772722 °	
			-121.298411 °	-121.298436 °	
DWR ID	DWR_RD2096_01_s_2012_3				
Action/Comments					
Fence Inspector Comments: Fence at toe of levee obstructs access.					

Photo 1 of 1 : FA_2015_RD2096_117_3_20150910_00001.jpg



View of the fence at the landside levee toe.

LM Start	0.05	Rating **	A/W	Issue No.	8
LM End	0.05	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.773479 °	37.773479 °	
			-121.298486 °	-121.298486 °	
DWR ID	DWR_RD2096_01_f_2013_8				
Action/Comments					
Pole Inspector Comments: Two telephone poles at landside levee toe.					

Photo 1 of 1 : FA_2015_RD2096_117_8_20150910_00004.jpg



View of the telephone poles at the landside levee toe.

LM Start	0.06	Rating **	N	Issue No.	9
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.773348 °	37.773348 °	
			-121.298475 °	-121.298475 °	
DWR ID	DWR_RD2096_01_s_2014_9				
Action/Comments					
Tree stumps. Inspector Comments: Pine tree stump at levee toe.					

Photo 1 of 1 : FA_2015_RD2096_117_9_20150910_00005.jpg



View of the tree stump at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2096 Wetherbee Lake

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	11/06/2015 11/06/2015	Maksim Khashchuk

LM Start	0.08	Rating **	M	Issue No.	13
LM End	0.08	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.773021 °	37.773021 °	
			-121.298430 °	-121.298430 °	
DWR ID	DWR_RD2096_01_s_2014_13				
Action/Comments					
Retaining Wall Inspector Comments: Abut 1 foot by 50 feet retaining wall at levee toe with irrigation and landscaping.					

Photo 1 of 1 : FA_2015_RD2096_117_13_20150910_00007.jpg



View of the retaining wall at the landside levee toe.

LM Start	0.09	Rating **	C	Issue No.	6
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.772909 °	37.772909 °	
			-121.298445 °	-121.298445 °	
DWR ID	DWR_RD2096_01_s_2012_6				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.12	Rating **	M	Issue No.	11
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.772434 °	37.772434 °	
			-121.298433 °	-121.298433 °	
DWR ID	DWR_RD2096_01_s_2015_11				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 2 : FA_2015_RD2096_117_11_20150910_00006.jpg



View of the vehicle tracks eroding the waterside levee slope.

* Location LS : Land Side 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	11/06/2015 11/06/2015	Maksim Khashchuk

LM Start	0.12	Rating **	M	Issue No.	11 (cont)
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.772434 °	37.772434 °
				-121.298433 °	-121.298433 °
DWR ID	DWR_RD2096_01_s_2015_11				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 2 of 2 : FA_2015_RD2096_117_11_20151112_00009.jpg



Another view of the vehicle tracks on the waterside levee slope.

LM Start	0.13	Rating **	C	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.772354 °	37.772354 °
				-121.298424 °	-121.298424 °
DWR ID	DWR_RD2096_01_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA is actively managing rodent infestation. Recently completed grouting.					

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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