

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report  
Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

<b>RD2096</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2096</b>	<b>M</b>	<b>0.16</b>						
<b>Wetherbee Lake</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					0.14			
Animal Control	0.03		0.03	18.21%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>LMA Totals:</i>	0.03	0.00	0.03	18.21%	0.15	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 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)			<b>M</b>	

\*\* 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 2014 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)			<b>M</b>	
Date of Inspection	05/15/2014 - 05/15/2014		10/30/2014 - 10/30/2014	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
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 2014**

**Reclamation District No. 2096 Wetherbee Lake**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	10/30/2014 10/30/2014	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

<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 2014**

**Reclamation District No. 2096 Wetherbee Lake**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	10/30/2014 10/30/2014	Maksim Khashchuk

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.773901 °	37.773901 °	
			-121.298399 °	-121.298399 °	
DWR ID	DWR_RD2096_01_s_2013_10				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: LMA grouted the hole and another one appeared just below the original hole.					

Photo 1 of 1 : FA\_2014\_RD2096\_117\_10\_20141001\_00006.jpg



View of the rodent burrow on the waterside levee slope.

LM Start	<b>0.03</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.03</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.773800 °	37.773800 °	
			-121.298428 °	-121.298428 °	
DWR ID	DWR_RD2096_01_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:21506 EP_NO: N/A 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: 9/10/2013					

No Photos

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.17</b>	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\_2014\_RD2096\_117\_3\_20141030\_00010.jpg



View of the fence at the landside levee toe.

<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	<b>N : Not Inspected/Rated</b> 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 2014**

**Reclamation District No. 2096 Wetherbee Lake**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	10/30/2014 10/30/2014	Maksim Khashchuk

LM Start	<b>0.05</b>	Rating **	A/W	Issue No.	<b>8</b>
LM End	<b>0.05</b>	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\_2014\_RD2096\_117\_8\_20141001\_00004.jpg



View of the telephone poles at the landside levee toe.

LM Start	<b>0.06</b>	Rating **	N	Issue No.	<b>9</b>
LM End	<b>0.06</b>	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\_2014\_RD2096\_117\_9\_20141001\_00005.jpg



View of the tree stump at the landside levee toe.

LM Start	<b>0.08</b>	Rating **	C	Issue No.	<b>12</b>
LM End	<b>0.08</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.773120 °	37.773120 °	
			-121.298439 °	-121.298439 °	
DWR ID	DWR_RD2096_01_s_2014_12				
Action/Comments					
Firewood Inspector Comments: Firewood at levee toe obstructing visibility. Move the stockpile at least 15 feet away from levee toe.					

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 2014**

**Reclamation District No. 2096 Wetherbee Lake**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	0.16	10/30/2014 10/30/2014	Maksim Khashchuk

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>0.08</b>	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\_2014\_RD2096\_117\_13\_20141001\_00008.jpg



View of the retaining wall at the landside levee toe.

LM Start	<b>0.09</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.09</b>	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.					

Photo 1 of 1 : FA\_2014\_RD2096\_117\_6\_20141030\_00011.jpg



View of the rodent burrow on the landside levee toe.

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.772485 °	37.772485 °	
			-121.298463 °	-121.298463 °	
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.					

Photo 1 of 1 : FA\_2014\_RD2096\_117\_5\_20141001\_00002.jpg



View of the multiple rodent burrows recently grouted on the waterside levee slope. Monitor and exterminate any remaining rodents in the area.

<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	<b>N : Not Inspected/Rated</b> 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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