

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

**Reclamation District No. 2094 Wathal**

	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. 2094 Wathal**

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	2.78

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/7/2016 - 4/7/2016			
DWR Inspector	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 - Spring 2016**

**Reclamation District No. 2094 Wathal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.78	04/07/2016 04/07/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	<b>10</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD2094_01_s_2013_10				
Comment Code					
Inspector Comment					
LMA has a flood response plan available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	<b>11</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD2094_01_s_2013_11				
Comment Code					
Inspector Comment					
Supplies available on-site.					

No Photos

LM Start		Rating **	A	Issue No.	<b>12</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD2094_01_s_2013_12				
Comment Code					
Inspector Comment					
O&M Manual available at LMA's 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 - Spring 2016**

**Reclamation District No. 2094 Wathal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.78	04/07/2016 04/07/2016	Maksim Khashchuk

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.771685 °	37.771685 °	
			-121.300239 °	-121.300239 °	
DWR ID	DWR_RD2094_01_s_2012_4				
Comment Code					
RA : Ramp					
Inspector Comment					
An access ramp has been built on the water side and extends into the channel. This could potentially alter the channel capacity. This item was also noted in the USACE comments.					

Photo 1 of 1 : SP\_2016\_RD2094\_320\_4\_20160229\_00001.jpg



Tire marks shown onto the ramp from levee. Raised area extends to the trees in the background in the center of the photo.

LM Start	<b>0.34</b>	Rating **	A	Issue No.	<b>7</b>
LM End	<b>0.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.768761 °	37.768761 °	
			-121.299990 °	-121.299990 °	
DWR ID	DWR_RD2094_01_s_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD2094\_320\_7\_20160412\_00014.jpg



View of the acceptable vegetation on the landside levee slope.

<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 - Spring 2016**

**Reclamation District No. 2094 Wathal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.78	04/07/2016 04/07/2016	Maksim Khashchuk

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>0.65</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.767514 °	37.767514 °
				-121.294926 °	-121.294926 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21464 DS_ID:23086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - walkway in poor condition and needs repair.- electric conduit on waterside. FIELD_STRUCT_DESC: 14-inch concrete encased steel pipe and GI conduit through the levee, 10.0 feet below the crown, pump mounted on a pile structure in the stream, slide gate, 54-inch corrugated metal pipe riser on the waterward shoulder, concrete distribution box and service pole on the landward toe, installed by USCE, 1962 (O&M Unit No. 3, 1968) FS Date: 9/10/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21464\_36405.jpg



WS view: gate valve in CMP riser (bottom) and pipe & pump (top) on piling structure in the channel.

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_21464\_36404.jpg



WS view: pump on piling structure in the channel. Pipe (right- bottom) and conduit (bottom- left).

<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 - Spring 2016**

**Reclamation District No. 2094 Wathal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.78	04/07/2016 04/07/2016	Maksim Khashchuk

LM Start	<b>1.25</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>1.25</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.760581 °	37.760581 °	
			-121.297373 °	-121.297373 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21544 DS_ID:23087 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - working as drainage system during field visit. Pump was not running.- electric conduit on WS- open pipe end in CMP riser. CMP needs cleaning. FIELD_STRUCT_DESC: 20-inch concrete encased steel pipe through the levee, 10.0 feet below the crown, pump mounted on a pile structure in the stream, gate valve, 54-inch corrugated metal pipe riser on the waterward shoulder, concrete distribution box and service pole on the landward toe (O&M Unit No. 3, 1968) FS Date: 9/10/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21544\_36524.jpg



WS view: overview of pump (top) and CMP riser (bottom)

LM Start	<b>1.25</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>1.25</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_21544\_36523.jpg



WS view: pipe and pump on piling structure in the channel. Walkway in poor condition.

<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 - Spring 2016**

**Reclamation District No. 2094 Wathal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.78	04/07/2016 04/07/2016	Maksim Khashchuk

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>2.45</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.752308 °	37.752308 °
				-121.293191 °	-121.293191 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21545 DS_ID:23089 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - no pipes found on either side of the levee.- concrete distribution box on LS. Soil erosion around distrinution box. FIELD_STRUCT_DESC: Rectangular concrete distribution box on the landward toe FS Date: 9/10/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21545\_36529.jpg



WS view: no pipe found on waterside.

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>2.45</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_21545\_36528.jpg



Enter photo 2 description or comment here.

<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**

**Spring 2016 Levee Inspection Results**

**Reclamation District No. 2094 Wathal**

Waterway		Bank	Unit Miles	
Unit No. 02 San Joaquin River			0.45	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/7/2016 - 4/7/2016			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Brian Mizuno RD 2094			

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2094 Wathal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.45	04/07/2016 04/07/2016	Maksim Khashchuk

LM Start	<b>0.16</b>	Rating **	A	Issue No.	<b>1</b>
LM End	<b>0.16</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.760472 °	37.760472 °	
			-121.301942 °	-121.301942 °	
DWR ID	DWR_RD2094_02_s_2016_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD2094\_321\_1\_20160412\_00001.jpg



View of the acceptable vegetation on the waterside levee slope.

<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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