

**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

RD2095		Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 2095 Paradise Cut		M *	4.86						
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	0.01	0.01	0.05	1.03%					
Encroachments					0.50				
<i>Supplemental</i>									
DWR Erosion Survey	0.10		0.10	2.06%					
DWR UCIP Field Study					0.08				
<i>LMA Totals:</i>	0.11	0.01	0.15	3.09% *	0.58	0.00	0.00	0.00	
Unit No. 01 Paradise Cut LB		Overall Unit Rating	Total Unit Miles						
RD2095		A	1.45						
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					0.01				
<i>Supplemental</i>									
DWR Erosion Survey	0.02		0.02	1.38%					
DWR UCIP Field Study					0.05				
<i>Unit Totals:</i>	0.02	0.00	0.02	1.38%	0.06	0.00	0.00	0.00	
Unit No. 02 San Joaquin River LB		Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD2095		M *	3.41						
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	0.01	0.01	0.05	1.47%					
Encroachments					0.49				
<i>Supplemental</i>									
DWR Erosion Survey	0.08		0.08	2.35%					
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	0.09	0.01	0.13	3.81% *	0.52	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** 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. 2095 Paradise Cut

Waterway		Bank	Unit Miles	
Unit No. 01 Paradise Cut		Left	1.45	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/13/2014 - 05/13/2014		11/07/2014 - 11/07/2014	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Rosie Silva RD2095		Rosie Silva RD2095	

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. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2095_01_s_2013_14				
Action/Comments					
Inspector Comments: The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2095_01_s_2013_17				
Action/Comments					
Inspector Comments: The LMA has a current flood fight training and a flood fighting plan.					

No Photos

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2095_01_s_2013_19				
Action/Comments					
Inspector Comments: Flood fighting supplies available on-site at the warehouse.					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.07	Rating **	A/W	Issue No.	3
LM End	0.07	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.770572 °	37.770572 °	
			-121.326283 °	-121.326283 °	
DWR ID	DWR_RD2095_01_s_2013_3				
Action/Comments					
Pipe					

Photo 1 of 1 : FA_2014_RD2095_322_3_20141001_00004.jpg



View of the pipe at waterside levee hinge.

LM Start	0.11	Rating **	A/W	Issue No.	134
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.770212 °	37.770212 °	
			-121.325675 °	-121.325675 °	
DWR ID	DWR_RD2095_01_s_2014_134				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_RD2095_322_134_20141001_00012.jpg



View of the vehicle access on the waterside levee slope.

LM Start	0.15	Rating **	C	Issue No.	32
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.769977 °	37.769977 °	
			-121.325012 °	-121.325012 °	
DWR ID	DWR_RD2095_01_s_2012_32				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: LMA is actively controlling the slope instability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	Issue Type 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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.16	Rating **	A	Issue No.	12
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.769889 °	37.769889 °	
			-121.324793 °	-121.324793 °	
DWR ID	DWR_RD2095_01_f_2014_12				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD2095_322_12_20141110_00017.jpg



View of acceptable vegetation maintenance.

LM Start	0.35	Rating **	A/W	Issue No.	5
LM End	0.35	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.767822 °	37.767822 °	
			-121.322835 °	-121.322835 °	
DWR ID	DWR_RD2095_01_s_2012_5				
Action/Comments					
Pipe Inspector Comments: No closure devices or flap gate on discharge pipe. Pipe penetrates freeboard of levee.					

Photo 1 of 2 : FA_2014_RD2095_322_5_20141001_00006.jpg



View of pipe day lighting at landside levee slope.

LM Start	0.35	Rating **	A/W	Issue No.	5 (cont)
LM End	0.35	Issue Type +	En	Location *	CR

Photo 2 of 2 : FA_2014_RD2095_322_5_20141001_00007.jpg



View of the pipe penetrating waterside 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 - Fall 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.42	Rating **	A/W	Issue No.	13
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.766917 °	37.766917 °	
			-121.322267 °	-121.322267 °	
DWR ID	DWR_RD2095_01_s_2013_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: LMA is actively controlling the slope instability.					

Photo 1 of 1 : FA_2014_RD2095_322_13_20141001_00009.jpg



View of the repaired waterside levee slope.

LM Start	0.70	Rating **	M	Issue No.	6
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.763859 °	37.763859 °	
			-121.319096 °	-121.319096 °	
DWR ID	DWR_RD2095_01_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:19787 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wooden walkway to pier possible safety hazard as wood planks are rotten. Positive closure device missing from distribution box on LS toe. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 8.0 feet below the crown. Pump on pile structure in the channel. 5'X5' concrete distribution box at the toe of the landward slope. Originally included in the 1964 O&M manual. FS Date: 9/10/2013					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.70	Rating **	M	Issue No.	11
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.763630 °	37.763630 °	
			-121.319045 °	-121.319045 °	
DWR ID	DWR_RD2095_01_s_2012_11				
Action/Comments					
Building Inspector Comments: Pump house near RR.					

Photo 1 of 1 : FA_2014_RD2095_322_11_20141001_00008.jpg



View of building at the landside levee toe.

LM Start	0.73	Rating **	M	Issue No.	1
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.763630 °	37.763630 °	
			-121.319000 °	-121.319000 °	
DWR ID					
Action/Comments					
Inspector Comments: 08/26/2014: No significant change observed. 08/28/2013: No significant change observed. 07/18/2012: No significant change observed. 09/02/2011: No significant change observed. 09/22/2010: No significant change observed. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected. 08/06/2010: Recommended for local maintenance issue, per CLRO. 07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of the site, per CLRO CES 2008 Report; Site # is the same as RM6.80,LM0.73; previously rated "U". 07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RR crossing, possibly caused by eddy effects. 03/13/2007: Site visited on 03/13/2007. [2014 Site ID:RD2095U01RM6.74]					

Photo 1 of 1 : SJR2014_RD2095U01RM6.74_1.jpg



Direct view of the erosion upstream of Railroad bridge.

* 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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.86	Rating **	C	Issue No.	2
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.761960 °	37.761960 °	
			-121.318140 °	-121.318140 °	
DWR ID					
Action/Comments					
Inspector Comments: 08/26/2014: The erosion was repaired. 08/28/2013: No significant change observed. 07/18/2012: No significant change observed. 09/02/2011: No significant change observed. 09/22/2010: No significant change observed. Sloughing of the existing rip rap possibly due to a combination of steep slope and undesirable flood conditions. 08/06/2010: Recommended as local maintenance issue, per CLRO. 07/29/2009: No major change observed since last visit; near-vertical slope that has rip rap sloughing; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM6.90,LM0.86; previously rated "U". 07/22/2008: Previous erosion site that is partially protected with concrete rubble; erosion scarp is adjacent to the sloughing rip rap. 03/13/2007: Site visited on 03/13/2007. [2014 Site ID:RD2095U01RM6.88]					

No Photos

LM Start	0.87	Rating **	A/W	Issue No.	4
LM End	0.87	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.761475 °	37.761475 °	
			-121.317804 °	-121.317804 °	
DWR ID	DWR_RD2095_01_f_2013_4				
Action/Comments					
Fence Inspector Comments: Permitted gate across landside levee ramp. A key was provided to the DWR inspector.					

Photo 1 of 1 : FA_2014_RD2095_322_4_20141001_00005.jpg



View of the new gate at landside levee hinge.

* 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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.87	Rating **	M	Issue No.	7
LM End	0.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761582 °	37.761582 °
				-121.317881 °	-121.317881 °
DWR ID	DWR_RD2095_01_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:19812 EP_NO: 13926 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No electrical connection can be identified. Possibly awaiting a flood event for re-activation. FIELD_STRUCT_DESC: 40-inch steel stormdrain discharge pipe through the levee 1-foot below the crown. 6 pumps mounted on wooden pier at LS toe, all discharge into 40-inch pipe. Permit was for a 24-inch steel discharge pipe through levee 2.0 feet below crown with a flapgate on waterward side. But, Permit notes show it was modified in 2001 to its current status (Permit No. 13926). FS Date: 9/10/2013					

No Photos

LM Start	0.88	Rating **	M	Issue No.	8
LM End	0.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761554 °	37.761554 °
				-121.317847 °	-121.317847 °
DWR ID	DWR_RD2095_01_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:34387 EP_NO: 6259 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: What appears to be the concrete headwall on the LS toe is tilting and failing. There is a possibility that the concrete is rubble used to fill in around levee toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee 21.0 feet below crown. Slide gate in riser on the waterward slope. Concrete headwalls and aprons on both ends. Flap gate on the waterward end. Two corrugated metal cutoff walls (Permit No. 6259, 1969). FS Date: 9/10/2013					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.91	Rating **	M	Issue No.	9
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761079 °	37.761079 °
				-121.317567 °	-121.317567 °
DWR ID	DWR_RD2095_01_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:19815 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 12-inch steel stormdrain pipe through the levee 1.5 feet below the crown. Pump on pile structure in drain ditch on landward side. Siphon breaker in steel standpipe on the waterward slope. Originally included in the 1964 O&M manual. FS Date: 9/10/2013					

No Photos

LM Start	0.92	Rating **	M	Issue No.	10
LM End	0.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761046 °	37.761046 °
				-121.317540 °	-121.317540 °
DWR ID	DWR_RD2095_01_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:19813 EP_NO: 6537 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corroded holes on pipe at outlet WS toe, good indication of internal pipe condition. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel stormdrain discharge pipe through the levee 2.5 feet below the crown. Pump on pile structure in drain ditch on landward side. Siphon breaker in 24-inch CMP riser on the waterward shoulder and flap gate on the waterward end (Permit No. 6537, 1969). FS Date: 9/10/2013					

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**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway		Bank	Unit Miles	
Unit No. 02 San Joaquin River		Left	3.41	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/13/2014 - 05/13/2014		11/07/2014 - 11/07/2014	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Rosie Silva RD2095		Rosie Silva RD2095	

Summer & Winter Inspections

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DWR must be informed on the:

- a) completion of the inspection
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.03	Rating **	A/W	Issue No.	9
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.758986 °	37.758986 °	
			-121.307854 °	-121.307854 °	
DWR ID	DWR_RD2095_02_s_2013_9				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_RD2095_323_9_20141001_00005.jpg



View of the vehicle tire ruts on waterside levee slope.

LM Start	0.18	Rating **	C	Issue No.	10
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.757322 °	37.757322 °	
			-121.306291 °	-121.306291 °	
DWR ID	DWR_RD2095_02_s_2013_10				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	0.36	Rating **	M	Issue No.	5
LM End	0.85	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.754952 °	37.749645 °	
			-121.305880 °	-121.301977 °	
DWR ID	DWR_RD2095_02_f_2012_5				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_RD2095_323_5_20141001_00003.jpg



View of a ditch along the landside 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.62	Rating **	A/W	Issue No.	6
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.751668 °	37.751668 °	
			-121.304302 °	-121.304302 °	
DWR ID	DWR_RD2095_02_s_2012_6				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD2095_323_6_20141001_00004.jpg



11/01/2011 Elderberry bush at landside toe.

LM Start	0.75	Rating **	A/W	Issue No.	14
LM End	0.75	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.749916 °	37.749916 °	
			-121.303312 °	-121.303312 °	
DWR ID	DWR_RD2095_02_f_2013_14				
Action/Comments					
Fence Inspector Comments: Permitted gate across levee crown. A key was provided to the DWR inspector.					

Photo 1 of 1 : FA_2014_RD2095_323_14_20141001_00007.jpg



View of new gate across levee crown.

LM Start	0.76	Rating **	A/W	Issue No.	11
LM End	0.76	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.749710 °	37.749710 °	
			-121.303263 °	-121.303263 °	
DWR ID	DWR_RD2095_02_s_2012_11				
Action/Comments					
Pipe Inspector Comments: Two pipes penetrate levee freeboard. Siphon breakers present.					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	0.77	Rating **	A/W	Issue No.	13
LM End	0.77	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.749781 °	37.749781 °	
			-121.302991 °	-121.302991 °	
DWR ID	DWR_RD2095_02_s_2012_13				
Action/Comments					
Pipe Inspector Comments: Intake pump and pipe.					

No Photos

LM Start	0.98	Rating **	U	Issue No.	941
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.749706 °	37.749706 °	
			-121.299237 °	-121.299237 °	
DWR ID	DWR_RD2095_02_s_2012_941				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Dense bush within 20' of crown on waterside slope.					

Photo 1 of 1 : FA_2014_RD2095_323_941_20141001_00013.jpg



Elderberry blocks visibility of levee slope.

LM Start	1.00	Rating **	A/W	Issue No.	940
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.749629 °	37.749629 °	
			-121.299040 °	-121.299040 °	
DWR ID	DWR_RD2095_02_s_2012_940				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	1.10	Rating **	N	Issue No.	3
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.748184 °	37.748184 °	
			-121.298995 °	-121.298995 °	
DWR ID	DWR_RD2095_02_s_2012_3				
Action/Comments					
Tree stumps. Inspector Comments: 4 stumps					

Photo 1 of 1 : FA_2014_RD2095_323_3_20141110_00016.jpg



View of the tree stumps on the landside levee slope..

LM Start	1.31	Rating **	N	Issue No.	8
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.745343 °	37.745343 °	
			-121.297620 °	-121.297620 °	
DWR ID	DWR_RD2095_02_f_2012_8				
Action/Comments					
Tree stumps. Inspector Comments: Two tree stumps.					

No Photos

LM Start	1.35	Rating **	A/W	Issue No.	195
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.744746 °	37.744746 °	
			-121.297695 °	-121.297695 °	
DWR ID	DWR_RD2095_02_s_2014_195				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2014_RD2095_323_195_20141001_00011.jpg



View of the erosion on the waterside levee slope possibly eroding into the levee prism.

* 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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	1.50	Rating **	M	Issue No.	7
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.743142 °	37.743142 °	
			-121.297692 °	-121.297692 °	
DWR ID	DWR_RD2095_02_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:19863 EP_NO: 4658 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned in place and re-routed to LM 1.652. Need to verify pipe was properly abandoned. Permit FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 3.5-feet below crown. Pump on structure over drain ditch on the landward side. Flap gate on the waterward end (Permit No. 4658). Originally included in the 1968 O&M manual. FS Date: 9/10/2013					

No Photos

LM Start	1.54	Rating **	A/W	Issue No.	12
LM End	1.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.742828 °	37.742828 °	
			-121.297532 °	-121.297532 °	
DWR ID	DWR_RD2095_02_s_2012_12				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	2.11	Rating **	M	Issue No.	17
LM End	2.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.735416 °	37.735416 °
				-121.297860 °	-121.297860 °
DWR ID	DWR_RD2095_02_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:19867 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker on LS shoulder does not appear to be functional. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 2.0-feet below the crown. Slant pump on steel platform on WS slope. Siphon breaker on the landward shoulder marked by T-post. Service pole and meter on the landward toe. Possible concrete standpipe on LS toe. Originally included in the 1968 O&M manual. FS Date: 9/10/2013					

No Photos

LM Start	2.14	Rating **	M	Issue No.	20
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.734858 °	37.734858 °
				-121.297758 °	-121.297758 °
DWR ID	DWR_RD2095_02_s_2012_20				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD2095_323_20_20141001_00010.jpg



Vegetation on waterside slope obstructs access and visibility.

LM Start	2.39	Rating **	A/W	Issue No.	23
LM End	2.39	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.731555 °	37.731555 °
				-121.298283 °	-121.298283 °
DWR ID	DWR_RD2095_02_s_2012_23				
Action/Comments					
Pipe					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain 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. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	2.70	Rating **	A/W	Issue No.	26
LM End	2.70	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.727233 °	37.727233 °	
			-121.299732 °	-121.299732 °	
DWR ID	DWR_RD2095_02_f_2013_26				
Action/Comments					
Pipe Inspector Comments: Pipe connections have been made. Permit application needed for this emergency repair.					

No Photos

LM Start	2.73	Rating **	A/W	Issue No.	25
LM End	2.73	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.726733 °	37.726733 °	
			-121.299367 °	-121.299367 °	
DWR ID	DWR_RD2095_02_s_2012_25				
Action/Comments					
Pipe Inspector Comments: Discharge pipe with closure structure on waterside hinge point.					

No Photos

LM Start	2.88	Rating **	C	Issue No.	15
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.724633 °	37.724633 °	
			-121.299732 °	-121.299732 °	
DWR ID	DWR_RD2095_02_s_2014_15				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

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 2014

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	11/07/2014 11/07/2014	Maksim Khashchuk

LM Start	2.89	Rating **	C	Issue No.	19
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.724435 °	37.724435 °	
			-121.299868 °	-121.299868 °	
DWR ID	DWR_RD2095_02_s_2014_19				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	2.91	Rating **	C	Issue No.	196
LM End	2.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.724246 °	37.724246 °	
			-121.299997 °	-121.299997 °	
DWR ID	DWR_RD2095_02_s_2014_196				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

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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