

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

Reclamation District No. 2101 Blewett

	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. 2101 Blewett

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	3.16

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/24/2016 - 3/24/2016			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Jim Coddington RD2101			

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. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2
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_RD2101_01_s_2013_2			o	o
Comment Code					
Inspector Comment					
The LMA has the O&M Manual available electronically.					

Photo 1 of 1 : SP_2016_RD2101_326_2_20160229_00004.jpg



View of the O&M manual and other documentation.

LM Start		Rating **	A	Issue No.	4
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_RD2101_01_s_2013_4			o	o
Comment Code					
Inspector Comment					
LMA has emergency supplies on site at the warehouse.					

Photo 1 of 1 : SP_2016_RD2101_326_4_20160229_00005.jpg



View of the emergency flood fight supplies in the shop.

LM Start		Rating **	A	Issue No.	5
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_RD2101_01_s_2013_5			o	o
Comment Code					
Inspector Comment					
LMA is current on flood fight training.					

No Photos

* 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	0.04	Rating **	M	Issue No.	12
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.657648 °	37.657648 °	
			-121.253812 °	-121.253812 °	
DWR ID	DWR_RD2101_01_s_2012_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA is actively exterminating rodents in this area.					

Photo 1 of 1 : SP_2016_RD2101_326_12_20160412_00039.jpg



View of the rodent holes on the waterside levee slope, facing upstream.

LM Start	0.05	Rating **	U	Issue No.	951
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.657801 °	37.657801 °	
			-121.253745 °	-121.253745 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26403 DS_ID:20699 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate missing from WS toe. Pipe has heavy sediment buildup. FIELD_STRUCT_DESC: 18-inch corrugated metal pipe through levee 3-feet below crown. Concrete headwall on both ends. Slide gate at headwall on the waterward end. Originally included in the 1968 O&M manual. FS Date: 9/17/2013					

Photo 1 of 2 : UCIP_SP_2016_26403_47962.jpg



Headwall on WS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	0.05	Rating **	U	Issue No.	951 (cont)
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.657801 °	37.657801 °
				-121.253745 °	-121.253745 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26403 DS_ID:20699 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate missing from WS toe. Pipe has heavy sediment buildup. FIELD_STRUCT_DESC: 18-inch corrugated metal pipe through levee 3-feet below crown. Concrete headwall on both ends. Slide gate at headwall on the waterward end. Originally included in the 1968 O&M manual. FS Date: 9/17/2013					

Photo 2 of 2 : UCIP_SP_2016_26403_47961.jpg



Pipe and headwall visible on LS toe.

LM Start	0.08	Rating **	M	Issue No.	16
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657811 °	37.657811 °
				-121.253269 °	-121.253269 °
DWR ID	DWR_RD2101_01_s_2013_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Continue rodent extermination and backfilling the rodent burrows.					

Photo 1 of 1 : SP_2016_RD2101_326_16_20160229_00010.jpg



View of rodent burrows on the 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	0.31	Rating **	M	Issue No.	945
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.658142 °	37.658142 °
				-121.250047 °	-121.250047 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20785 DS_ID:20701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet blocked by soil from beaver activity. Outlet covered in soil. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 21.0 feet below crown. Headwall and slide gate on the landward end. Concrete "U" headwall and flap gate on the waterward end. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP_SP_2016_20785_35046.jpg



Slide gate at concrete headwall on LS toe.

LM Start	0.31	Rating **	M	Issue No.	945 (cont)
LM End	0.31	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_20785_35045.jpg



Slide gate at concrete headwall on LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	0.70	Rating **	A/W	Issue No.	26
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.659907 °	37.659907 °
				-121.244219 °	-121.244219 °
DWR ID	DWR_RD2101_01_s_2013_26				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2101_326_26_20160229_00012.jpg



View of the rodent burrows on the waterside levee slope.

LM Start	0.73	Rating **	M	Issue No.	944
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.659827 °	37.651049 °
				-121.243675 °	-121.231475 °
DWR ID	DWR_RD2101_01_s_2012_944				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2101_326_944_20160229_00018.jpg



Concrete ditch near landside toe.

LM Start	0.75	Rating **	C	Issue No.	11
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.659705 °	37.659705 °
				-121.243306 °	-121.243306 °
DWR ID	DWR_RD2101_01_f_2012_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree to allow access and visibility.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	1.02	Rating **	N	Issue No.	33
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.656745 °	37.656745 °	
			-121.241104 °	-121.241104 °	
DWR ID	DWR_RD2101_01_f_2014_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2101_326_33_20160229_00017.jpg



View of the tree stump at the waterside levee toe.

LM Start	1.59	Rating **	M	Issue No.	14
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.651554 °	37.651554 °	
			-121.234319 °	-121.234319 °	
DWR ID	DWR_RD2101_01_s_2012_14				
Comment Code					
PO : Pole					
Inspector Comment					
Pole needs to be permitted or moved outside of levee easement.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	1.86	Rating **	U	Issue No.	1 (cont)
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.650259 °	37.650259 °
				-121.228961 °	-121.228961 °
DWR ID	DWR_RD2101_01_s_2016_1				
Comment Code					
Inspector Comment					
<p>08/19/2015: No significant change observed. 07/17/2014: No significant change observed. 09/20/2013: Site has been visited. There are signs of further erosion development along the levee slope and toe. 07/18/2012: The erosion has further developed toward levee crown. Vegetation has been removed. 08/18/2011: The erosion progressed significantly during the past flood season. The levee toe along the erosion site was washed away, and the erosion has cut the levee structure up to the point about 1/3 of the levee slope. The scarp height is approximately 17 feet. Very dense vegetation and trees are visible. 10/19/2010: No significant change observed on site. Remaining levee berm topsoil is of silty sand mixture. The erosion is near the downstream transition. An eddy has formed, and has scoured away a 100-foot section of the bank, possibly encroaching into the levee prism. Vegetation on site includes willows, oak, and cotton wood located from the bench to the toe. On the landside are rows of corn crop. 08/05/2010: Recommended for Repair, per CLRO. 2009: Site recommended as annual assessment and monitoring if critical erosion site, per CLRO CES Evaluation 2008 Report; an eddy has formed, eroding bank and intruding into the levee prism; Site # is the same as RM76.3, LM1.89; previously rated "U". 08/30/2007: Recommended for short list of immediate repair sites; silty sand levee material. [2015 Site ID:RD2101U01RM73.92]</p>					

Photo 3 of 3 : SP_2016_RD2101_326_1_20160229_00003.jpg



Close view of the erosion. Levee crest is approximately 8 feet above the erosion.

LM Start	2.52	Rating **	M	Issue No.	13
LM End	2.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.644120 °	37.644120 °
				-121.228474 °	-121.228474 °
DWR ID	DWR_RD2101_01_s_2016_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.71	Rating **	M	Issue No.	946
LM End	2.71	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641976°	37.641976°
				-121.229745°	-121.229745°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20865 DS_ID:20711 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at pipe/concrete connection on WS slope. FIELD_STRUCT_DESC: 2 of 3: 20-inch steel pipe through levee 10.0-feet below crown encased in concrete. Pump on steel pier on WS. Gate valve in 16'X7' concrete vault on WS shoulder. Pipes discharge into concrete canal on LS toe. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP_SP_2016_20865_35110.jpg



Pump on metal pier on WS.

LM Start	2.71	Rating **	M	Issue No.	946 (cont)
LM End	2.71	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_20865_35109.jpg



Gate valve in concrete vault on WS shoulder.

* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.72	Rating **	M	Issue No.	950
LM End	2.72	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641798 °	37.641798 °
				-121.229714 °	-121.229714 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22915 DS_ID:24679 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 18-inch PVC irrigation pipe through the levee 3.5-feet below the crown. No pump or other appurtances visible. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP_SP_2016_22915_39043.jpg



18-inch PVC pipe visible at LS slope.

LM Start	2.72	Rating **	M	Issue No.	950 (cont)
LM End	2.72	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_22915_39042.jpg



18-inch PVC pipe visible at outlet to irrigation canal on LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.82	Rating **	U	Issue No.	947
LM End	2.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640566 °	37.640566 °
				-121.230216 °	-121.230216 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20872 DS_ID:20705 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate missing from WS headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through levee 11.0 feet below crown. Concrete "U" headwall on both ends. Flap gate on waterward end. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP_SP_2016_20872_35142.jpg



Concrete headwall visible at LS toe in ditch.

LM Start	2.82	Rating **	U	Issue No.	947 (cont)
LM End	2.82	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_20872_35141.jpg



Concrete headwall visible on WS toe at canal.

* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.83	Rating **	U	Issue No.	27
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.640425°	37.640425°	
			-121.230139°	-121.230139°	
DWR ID	DWR_RD2101_01_s_2012_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrows on both sides of levee. Backfill the burrows to restore the levee to original condition.					

Photo 1 of 1 : SP_2016_RD2101_326_27_20160229_00013.jpg



View of multiple rodent holes on the levee slope.

LM Start	2.85	Rating **	M	Issue No.	948
LM End	2.85	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.640185°	37.640185°	
			-121.230067°	-121.230067°	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20873 DS_ID:20706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaks off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 1 of 2: 24-inch concrete irrigation pipe through levee 11.0 feet below crown. Pump on metal pier at WS berm. Screw gates in 6'X10.5' concrete box on waterward side. 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on waterward side. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP_SP_2016_20873_35146.jpg



Leak in pipe off LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.85	Rating **	M	Issue No.	948 (cont)
LM End	2.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °
				-121.230067 °	-121.230067 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20873 DS_ID:20706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaks off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 1 of 2: 24-inch concrete irrigation pipe through levee 11.0 feet below crown. Pump on metal pier at WS berm. Screw gates in 6'X10.5' concrete box on waterward side. 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on waterward side. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 2 of 2 : UCIP_SP_2016_20873_35145.jpg



Leak in pipe off LS toe.

LM Start	2.85	Rating **	M	Issue No.	949
LM End	2.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °
				-121.230067 °	-121.230067 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20874 DS_ID:20712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 30-inch concrete pipe through levee 11.0 feet below crown. Pump on metal pier on waterside berm. 12-inch steel riser next to 6'X10.5' concrete box with Screw gate inside on waterward side. Abandoned Pump house on waterward side. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP_SP_2016_20874_35151.jpg



Gatevalve in concrete vault with standpipe off WS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.85	Rating **	M	Issue No.	949 (cont)
LM End	2.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °
				-121.230067 °	-121.230067 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20874 DS_ID:20712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 30-inch concrete pipe through levee 11.0 feet below crown. Pump on metal pier on waterside berm. 12-inch steel riser next to 6'X10.5' concrete box with Screw gate inside on waterward side. Abandoned Pump house on waterward side. Originally included in the 1968 O&M manual. FS Date: 9/19/2013					

Photo 2 of 2 : UCIP_SP_2016_20874_35150.jpg



Leak in pipe off LS toe.

LM Start	2.85	Rating **	A/W	Issue No.	28
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640134 °	37.640134 °
				-121.230019 °	-121.230019 °
DWR ID	DWR_RD2101_01_s_2012_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes were backfilled. Continue to monitor the area and exterminate the rodents.					

Photo 1 of 1 : SP_2016_RD2101_326_28_20160229_00014.jpg



View of numerous rodent holes with bait stations present.

* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.87	Rating **	M	Issue No.	29
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.639852 °	37.639852 °
				-121.229980 °	-121.229980 °
DWR ID	DWR_RD2101_01_s_2012_29				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD2101_326_29_20160229_00015.jpg



View of repaired site, but it appears that erosion is still occurring. 09/25/2012

LM Start	2.87	Rating **	M	Issue No.	29 (cont)
LM End	2.87	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_RD2101_326_29_20160229_00016.jpg



Levee slope is being eroded at this location. Repair needed to preserve access road.

LM Start	2.88	Rating **	M	Issue No.	8
LM End	3.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.639780 °	37.637167 °
				-121.230008 °	-121.233715 °
DWR ID	DWR_RD2101_01_f_2013_8				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2101_326_8_20160229_00006.jpg



View of the ditch at the landside levee toe.

* 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	2.98	Rating **	M	Issue No.	17
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.638760 °	37.638760 °	
			-121.231341 °	-121.231341 °	
DWR ID	DWR_RD2101_01_s_2012_17				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Active burrows with rodents present.					

Photo 1 of 1 : SP_2016_RD2101_326_17_20160229_00011.jpg



Numerous burrows present, some already caving in, others are active.

* 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.30

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/24/2016 - 3/24/2016			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Jim Coddington RD2101			

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. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.30	03/24/2016 03/24/2016	Maksim Khashchuk

LM Start	0.03	Rating **	C	Issue No.	1
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.660251 °	37.660251 °	
			-121.243372 °	-121.243372 °	
DWR ID	DWR_RD2101_02_f_2015_1				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
LMA is monitor the slope for potential further erosion. Repair as needed.					

No Photos

LM Start	0.13	Rating **	A	Issue No.	2
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.661612 °	37.661612 °	
			-121.242976 °	-121.242976 °	
DWR ID	DWR_RD2101_02_s_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2101_327_2_20160412_00002.jpg



View of the acceptable vegetation on the 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
--	--	---	---