

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 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 2020 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
Unit Maintenance Rating (Fall Only)			Winter (December - February)
Date of Inspection	4/7/2020 - 4/7/2020		
DWR Inspector	Alberto De Leon		
Accompanied By	Stephen Perez Perez Farms		

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 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

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_2020_RD2101_326_2_20200228_00001.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 2 : SP_2020_RD2101_326_4_20200228_00002.jpg



View of the emergency flood fight supplies in the shop.

LM Start		Rating **	A	Issue No.	4 (cont)
LM End		Issue Type +	Ma	Location *	N/A

Photo 2 of 2 : SP_2020_RD2101_326_4_20200228_00003.jpg



Another view of the emergency flood fight supplies in the shop.

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start		Rating **	M	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2101_01_s_2013_5			°	°
Comment Code					
Inspector Comment					
LMA needs to take a flood fight class.					

No Photos

LM Start	0.05	Rating **	M	Issue No.	945
LM End	0.05	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.657801	°	37.657801
			-121.253745	°	-121.253745
DWR ID	20699				
Comment Code					
Inspector Comment					
DS_ID:20699 FS_ID:53384 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2018 The levee does not show any signs of integrity issues and the headwalls are in tact, even though the pipe has heavy sediment buildup. Downgrading to Non-Urgent and recommend cleaning out the pipe to allow drainage to pass through unobstructed (D. Sanoski - DWR UCIP). 11/16/2016 Same as previous inspection slide gate still missing. Also dense vegetation prevents access to crossing. Recommend removing vegetation along pipe alignment and both concrete headwalls to conduct proper inspection of structure. (O. Magana - DWR UCIP)09/17/2013 Slide gate missing from WS toe. Pipe has heavy sediment buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete headwalls on both ends. Slide gate at the headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.05), Drawing No. 07-04-1666, Sheets 1666/18 and 1666/52, (Station 00+70)]. FS Date: 10/10/2018 1:39:00 PM					

Photo 1 of 3 : UCIP_SP_2020_53384_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	0.05	Rating **	M	Issue No.	945 (cont)
LM End	0.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.657801 °	37.657801 °
				-121.253745 °	-121.253745 °
DWR ID	20699				

Photo 2 of 3 : UCIP_SP_2020_53384_47961.jpg



Pipe and headwall visible on LS toe.

LM Start	0.05	Rating **	M	Issue No.	945 (cont)
LM End	0.05	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_53384_47960.jpg



Pipe and headwall visible on LS toe.

LM Start	0.14	Rating **	C	Issue No.	17
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657152 °	37.657152 °
				-121.252447 °	-121.252447 °
DWR ID	DWR_RD2101_01_f_2019_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	0.20	Rating **	A/W	Issue No.	946 (cont)
LM End	0.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.657130 °	37.657130 °
				-121.251695 °	-121.251695 °
DWR ID	20700				

Photo 3 of 3 : UCIP_SP_2020_20752_34978.jpg



Concrete U-shaped headwall on LS toe at willow tree on WS toe.

LM Start	0.31	Rating **	M	Issue No.	947
LM End	0.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °
				-121.250047 °	-121.250047 °
DWR ID	20701				

Comment Code

Inspector Comment

DS_ID:20701
 FS_ID:20785
 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 drainage pipe through the levee, 21 feet below the crown. Headwall and slide gate on the landside (LS) end. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.31)].
 FS Date: 9/19/2013

Photo 1 of 3 : UCIP_SP_2020_20785_35046.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	0.31	Rating **	M	Issue No.	947 (cont)
LM End	0.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °
				-121.250047 °	-121.250047 °
DWR ID	20701				

Photo 2 of 3 : UCIP_SP_2020_20785_35045.jpg



Slide gate at concrete headwall on LS toe.

LM Start	0.31	Rating **	M	Issue No.	947 (cont)
LM End	0.31	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_20785_35044.jpg



Outlet covered in soil but likely at willow tree on WS slope.

LM Start	0.44	Rating **	A	Issue No.	16
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.659673 °	37.640425 °
				-121.248715 °	-121.230140 °
DWR ID	DWR_RD2101_01_s_2020_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2101_326_16_20200504_00050.jpg



Typical view of vegetation on landside slope. Spring 2020

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	0.44	Rating **	A	Issue No.	19
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.659673 °	37.640425 °	
			-121.248715 °	-121.230140 °	
DWR ID	DWR_RD2101_01_s_2020_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2101_326_19_20200504_00049.jpg



Typical view of vegetation on waterside slope. Spring 2020

LM Start	0.50	Rating **	M	Issue No.	46
LM End	0.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.660073 °	37.660072 °	
			-121.247777 °	-121.247746 °	
DWR ID	DWR_RD2101_01_s_2019_46				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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_2020_RD2101_326_944_20200228_00016.jpg



View of concrete ditch near landside toe. Fall 2019

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	0.73	Rating **	C	Issue No.	18
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.659815 °	37.659815 °	
			-121.243640 °	-121.243640 °	
DWR ID	DWR_RD2101_01_f_2019_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Rills on waterside slope due to surface run off.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	34
LM End	0.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.659733 °	37.659733 °	
			-121.243363 °	-121.243363 °	
DWR ID	DWR_RD2101_01_f_2018_34				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.76	Rating **	M	Issue No.	25
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.659679 °	37.659679 °	
			-121.243177 °	-121.243177 °	
DWR ID	DWR_RD2101_01_s_2020_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	0.86	Rating **	M	Issue No.	35
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.658706 °	37.658706 °	
			-121.241913 °	-121.241913 °	
DWR ID	DWR_RD2101_01_f_2018_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.89	Rating **	C	Issue No.	22
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.658549 °	37.657622 °	
			-121.241467 °	-121.241187 °	
DWR ID	DWR_RD2101_01_f_2016_22				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.97	Rating **	C	Issue No.	47
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.657464 °	37.657464 °	
			-121.241147 °	-121.241147 °	
DWR ID	DWR_RD2101_01_s_2020_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	1.02	Rating **	C	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					
Tree stump has been removed.					

No Photos

LM Start	1.10	Rating **	C	Issue No.	23
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.655521 °	37.655521 °	
			-121.241191 °	-121.241191 °	
DWR ID	DWR_RD2101_01_s_2017_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.24	Rating **	C	Issue No.	48
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.653946 °	37.653946 °	
			-121.239652 °	-121.239652 °	
DWR ID	DWR_RD2101_01_s_2019_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.71	Rating **	M	Issue No.	948
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.641976 °	37.641976 °	
			-121.229745 °	-121.229745 °	
DWR ID	20711				
Comment Code					
Inspector Comment					
DS_ID:20711 FS_ID:20865 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 concrete encased steel irrigation pipe through the levee, 10 feet below the crown. Pump on steel pier on the waterside (WS). Gate valve in a 16-foot by 7-foot concrete vault on the WS shoulder. Pipes discharge into a concrete canal on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.73)]. FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_SP_2020_20865_35110.jpg



Pump on metal pier on WS.

LM Start	2.71	Rating **	M	Issue No.	948 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_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
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**Flood Control Project Maintenance
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.71	Rating **	M	Issue No.	948 (cont)
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641976 °	37.641976 °
				-121.229745 °	-121.229745 °
DWR ID	20711				

Photo 3 of 3 : UCIP_SP_2020_20865_35108.jpg



20-inch steel pipe discharges into concrete channel on LS.

LM Start	2.72	Rating **	M	Issue No.	949
LM End	2.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641798 °	37.641798 °
				-121.229714 °	-121.229714 °
DWR ID	24679				

Photo 1 of 2 : UCIP_SP_2020_22915_39043.jpg



18-inch PVC pipe visible at LS slope.

Comment Code					
Inspector Comment					
DS_ID:24679 FS_ID:22915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/26/2016 - (T. Hatch/UCIP) Inspector indicated that pipe had been removed for several years. Need additional information to determine if the pipe was removed properly and the levee recompacted to specifications. 09/19/2013 - (W. Wylie/UCIP) No permit identified for this crossing. FIELD_STRUCT_DESC: *REMOVED* 18-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 3.5 feet below the crown. No pump or other appurtenances visible. FS Date: 9/19/2013					

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.72	Rating **	M	Issue No.	949 (cont)
LM End	2.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641798 °	37.641798 °
				-121.229714 °	-121.229714 °
DWR ID	24679				

Photo 2 of 2 : UCIP_SP_2020_22915_39042.jpg



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

LM Start	2.74	Rating **	U	Issue No.	49
LM End	2.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.641545 °	37.641545 °
				-121.229744 °	-121.229744 °
DWR ID	DWR_RD2101_01_s_2019_49				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion on the waterside shoulder extending down the slope. Most likely caused by surface runoff from adjacent highway.					

Photo 1 of 1 : SP_2020_RD2101_326_49_20200228_00015.jpg



Waterside shoulder erosion most likely caused by surface runoff from adjacent highway. (Spring 2019)

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.82	Rating **	M	Issue No.	950
LM End	2.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.640566 °	37.640566 °	
			-121.230216 °	-121.230216 °	
DWR ID	20705				
Comment Code					
Inspector Comment					
DS_ID:20705 FS_ID:53201 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2018 Although there was heavy vegetation, there were no visible levee or pipe threats; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)]. FS Date: 10/10/2018 2:24:25 PM					

Photo 1 of 3 : UCIP_SP_2020_53201_35142.jpg



Concrete headwall visible at LS toe in ditch.

LM Start	2.82	Rating **	M	Issue No.	950 (cont)
LM End	2.82	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_53201_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.82	Rating **	M	Issue No.	950 (cont)
LM End	2.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.640566 °	37.640566 °
				-121.230216 °	-121.230216 °
DWR ID	20705				

Photo 3 of 3 : UCIP_SP_2020_53201_35140.jpg



Concrete headwall at LS toe.

LM Start	2.83	Rating **	C	Issue No.	26
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.640425 °	37.637084 °
				-121.230140 °	-121.233782 °
DWR ID	DWR_RD2101_01_f_2019_26				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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					
Rodent holes have not been backfilled. Spring 2020					

Photo 1 of 1 : SP_2020_RD2101_326_27_20200228_00009.jpg



View of multiple rodent holes on the 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.83	Rating **	M	Issue No.	24
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.640425 °	37.637084 °	
			-121.230139 °	-121.233782 °	
DWR ID	DWR_RD2101_01_f_2019_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
This portion of the District is on a different ranch and has not been maintained by the LMA. Vegetation blocks visibility on both sides of levee.					

Photo 1 of 1 : SP_2020_RD2101_326_24_20200228_00007.jpg



View of vegetation on landside slope. Fall 2019

LM Start	2.85	Rating **	M	Issue No.	951
LM End	2.85	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.640185 °	37.640185 °	
			-121.230067 °	-121.230067 °	
DWR ID	20706				
Comment Code					
Inspector Comment					
DS_ID:20706 FS_ID:20873 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 reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier at the berm. Screw gates in a 6-foot by 10.5-foot concrete box on the waterside (WS). 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_SP_2020_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.87	Rating **	A/W	Issue No.	953 (cont)
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639924 °	37.639924 °
				-121.230005 °	-121.230005 °
DWR ID	20707				

Photo 3 of 3 : UCIP_SP_2020_20875_35154.jpg



Inlet on LS toe with concrete headwall.

LM Start	2.87	Rating **	U	Issue No.	29
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.639852 °	37.639852 °
				-121.229979 °	-121.229979 °
DWR ID	RD2101U01RM74.97				
Comment Code					
Inspector Comment					
Site ID: RD2101U01RM74.97					
09/17/2019: The erosion has been caused by the irrigation pipe leakage.					

Photo 1 of 2 : SP_2020_RD2101_326_29_20200228_00011.jpg



Looking at the irrigation pipe outlet on the site.

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

Photo 2 of 2 : SP_2020_RD2101_326_29_20200228_00013.jpg



Close-up view of the erosion.

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.87	Rating **	A/W	Issue No.	954
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.639884 °	37.639884 °	
			-121.230008 °	-121.230008 °	
DWR ID	20709				
Comment Code					
Inspector Comment					
DS_ID:20709 FS_ID:20876 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 24-inch drainage pipe of an unknown material through the levee, 12.5 feet below the crown. Concrete U-shaped headwalls on each end. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.89)]. FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_SP_2020_20876_35159.jpg



Concrete inlet on LS toe at canal.

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_20876_35158.jpg



Concrete U-shaped headwall on WS toe with flapgate.

* 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 - Spring 2020

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	04/07/2020 04/07/2020	Alberto De Leon

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639884 °	37.639884 °
				-121.230008 °	-121.230008 °
DWR ID	20709				

Photo 3 of 3 : UCIP_SP_2020_20876_35157.jpg



Concrete inlet on LS toe at canal.

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_2020_RD2101_326_8_20200228_00004.jpg



View of the ditch at the landside levee toe.

LM Start	2.91	Rating **	A/W	Issue No.	45
LM End	3.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.639463 °	37.637631 °
				-121.230315 °	-121.233070 °
DWR ID	DWR_RD2101_01_f_2018_45				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

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

Spring 2020 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	4/7/2020 - 4/7/2020			
DWR Inspector	Alberto De Leon			
Accompanied By	Stephen Perez 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.

