

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 Levee Inspection Results

Reclamation District No. 2064 River Junction

	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. 2064 River Junction

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	5.56

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/26/2020 - 3/26/2020			
DWR Inspector	Alberto De Leon			
Accompanied By	Keith Veltkamp RD 2064			
	Dan Eavenson MCR Engineering			

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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		o	o	o
DWR ID	DWR_RD2064_01_f_2014_6				
Comment Code					
Inspector Comment					
District 2064 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		o	o	o
DWR ID	DWR_RD2064_01_f_2014_7				
Comment Code					
Inspector Comment					
District has an adequate supply of flood fight materials in storage.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		o	o	o
DWR ID	DWR_RD2064_01_f_2014_8				
Comment Code					
Inspector Comment					
District 2064 has been trained for flood fighting.					

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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.06	Rating **	A/W	Issue No.	52
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.709804 °	37.709804 °	
			-121.267559 °	-121.267559 °	
DWR ID	20511				
Comment Code					
Inspector Comment					
DS_ID:20511 FS_ID:43603 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed from flap gate on waterside tow FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 21 feet below the crown. Concrete U-shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Flap gate on the WS end. Flashboard slots on the landside (LS) headwall. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.07)]. FS Date: 3/2/2015					

Photo 1 of 3 : UCIP_SP_2020_43603_31258.jpg



Slide gate in concrete riser on WS shoulder.

LM Start	0.06	Rating **	A/W	Issue No.	52 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_43603_31257.jpg



Flap gate and U shaped headwall on WS toe. Debris blocking closure of gate.

* 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.06	Rating **	A/W	Issue No.	52 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.709804 °	37.709804 °
				-121.267559 °	-121.267559 °
DWR ID	20511				

Photo 3 of 3 : UCIP_SP_2020_43603_31256.jpg



Concrete headwall at inlet on LS toe.

LM Start	0.06	Rating **	M	Issue No.	53
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709725 °	37.709725 °
				-121.267534 °	-121.267534 °
DWR ID	20512				

Photo 1 of 3 : UCIP_SP_2020_18718_31286.jpg



Steel storm drain pipe with pump on pier in background.

Comment Code					
Inspector Comment					
DS_ID:20512 FS_ID:18718 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100-horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

* 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
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Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	55 (cont)
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID	20528				

Photo 2 of 3 : UCIP_SP_2020_18720_31293.jpg



Siphon breaker visible on WS shoulder.

LM Start	0.06	Rating **	M	Issue No.	55 (cont)
LM End	0.06	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_18720_31292.jpg



Pump on pier on LS.

LM Start	0.46	Rating **	M	Issue No.	25
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.705240 °	37.705240 °
				-121.271294 °	-121.271294 °
DWR ID	DWR_RD2064_01_f_2018_25				
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
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Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.83	Rating **	U	Issue No.	27
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.700318 °	37.700318 °	
			-121.272995 °	-121.272995 °	
DWR ID	DWR_RD2064_01_f_2019_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD2064_313_27_20200327_00058.jpg



View of large rodent burrows on landside slope. Spring 2020

LM Start	0.83	Rating **	U	Issue No.	27 (cont)
LM End	0.83	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_RD2064_313_27_20200228_00008.jpg



View of large rodent burrows on landside slope. 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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Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	1.23	Rating **	U	Issue No.	57
LM End	1.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.695506 °	37.695506 °	
			-121.269995 °	-121.269995 °	
DWR ID	20524				
Comment Code					
Inspector Comment					
<p>DS_ID:20524 FS_ID:53378 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/10/2018 There is a lot going on at this location; levee erosion and the same sink hole and pipe integrity issue on LS that looks like it has only gotten worse, installation of new steel pipe on WS, and the WS slope looks to have eroded some since the last inspection. Keeping as Urgent, and highly recommend full audit of this crossing, including permitted work and internal pipe inspection (D. Sanoski - DWR UCIP).11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker). FS Date: 10/10/2018 1:10:00 PM</p>					

Photo 1 of 3 : UCIP_SP_2020_53378_38462.jpg



Slant pump on WS toe. Slide gate in 36-inch CMP riser on WS shoulder.

LM Start	1.23	Rating **	U	Issue No.	57 (cont)
LM End	1.23	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_53378_38461.jpg



Concrete distribution box on LS toe with filter plant.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	1.23	Rating **	U	Issue No.	57 (cont)
LM End	1.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695506 °	37.695506 °
				-121.269995 °	-121.269995 °
DWR ID	20524				

Photo 3 of 3 : UCIP_SP_2020_53378_38460.jpg



Leakage along pipe alignment on LS toe.

LM Start	1.33	Rating **	M	Issue No.	28
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.694087 °	37.694087 °
				-121.269725 °	-121.269725 °
DWR ID	DWR_RD2064_01_f_2019_28				
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	1.65	Rating **	A/W	Issue No.	58 (cont)
LM End	1.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.690072 °	37.690072 °
				-121.269823 °	-121.269823 °
DWR ID	20514				

Photo 3 of 3 : UCIP_SP_2020_18748_31378.jpg



Flap gate on WS toe.

LM Start	1.72	Rating **	M	Issue No.	35
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689490 °	37.689490 °
				-121.268679 °	-121.268679 °
DWR ID	DWR_RD2064_01_f_2019_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.94	Rating **	M	Issue No.	36
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.689889 °	37.689889 °
				-121.264812 °	-121.264812 °
DWR ID	DWR_RD2064_01_f_2019_36				
Comment Code					
PR : Prunings					
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	1.94	Rating **	M	Issue No.	59 (cont)
LM End	1.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID	20515				

Photo 3 of 3 : UCIP_SP_2020_18763_31400.jpg



Concrete U-shaped headwall on LS toe.

LM Start	2.02	Rating **	M	Issue No.	32
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689603 °	37.689603 °
				-121.263398 °	-121.263398 °
DWR ID	DWR_RD2064_01_s_2020_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.11	Rating **	M	Issue No.	31
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689089 °	37.688332 °
				-121.262097 °	-121.261099 °
DWR ID	DWR_RD2064_01_f_2018_31				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Old rodent holes need to be backfilled.					

Photo 1 of 1 : SP_2020_RD2064_313_31_20200228_00009.jpg



View of animal holes on levee slope. Fall 2018

* 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	2.20	Rating **	M	Issue No.	45
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.688079 °	37.688079 °	
			-121.260746 °	-121.260746 °	
DWR ID	DWR_RD2064_01_s_2020_45				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.23	Rating **	M	Issue No.	37
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.688087 °	37.687929 °	
			-121.260302 °	-121.257333 °	
DWR ID	DWR_RD2064_01_f_2019_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.43	Rating **	M	Issue No.	46
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.687550 °	37.687550 °	
			-121.256700 °	-121.256700 °	
DWR ID	DWR_RD2064_01_s_2020_46				
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	2.44	Rating **	M	Issue No.	39
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.687464 °	37.687464 °	
			-121.256605 °	-121.256605 °	
DWR ID	DWR_RD2064_01_f_2019_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.45	Rating **	C	Issue No.	38
LM End	2.47	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.687402 °	37.687158 °	
			-121.256542 °	-121.256317 °	
DWR ID	DWR_RD2064_01_f_2019_38				
Comment Code					
MA : Material					
Inspector Comment					
Land owner is relocating fence and moving earth material along the landside easement. RD has advised landowner of possible encroachment issues. The RD has already been in contact with the CVFPB. Fall 2019					

No Photos

LM Start	2.98	Rating **	M	Issue No.	40
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.680767 °	37.680767 °	
			-121.258131 °	-121.258131 °	
DWR ID	DWR_RD2064_01_f_2019_40				
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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Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.26	Rating **	A/W	Issue No.	44 (cont)
LM End	3.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100 °	37.677800 °
				-121.262600 °	-121.264400 °
DWR ID	LMA-488				

Photo 3 of 3 : SP_2020_RD2064_313_44_20200228_00014.jpg



LM Start	3.31	Rating **	M	Issue No.	10
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.678708 °	37.676786 °
				-121.263415 °	-121.264207 °
DWR ID	DWR_RD2064_01_f_2017_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2064_313_10_20200228_00001.jpg



View of animal holes on levee slope. Fall 2018

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.46	Rating **	M	Issue No.	60
LM End	3.46	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.676751 °	37.676751 °	
			-121.264193 °	-121.264193 °	
DWR ID	20517				
Comment Code					
Inspector Comment					
DS_ID:20517 FS_ID:22731 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Neet to verify status of pipeline. FIELD_STRUCT_DESC: Underground gas line crossing; depth through the levee and size unknown. Found possible sign posts on WS toe. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_SP_2020_22731_38463.jpg



Possible sign posts on WS toe.

LM Start	3.49	Rating **	M	Issue No.	61
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.676276 °	37.676276 °	
			-121.264104 °	-121.264104 °	
DWR ID	24059				
Comment Code					
Inspector Comment					
DS_ID:24059 FS_ID:22085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch galvanized iron conduit of an unknown purpose through the levee, at an unknown depth. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_SP_2020_22085_37702.jpg



Upper conduit visible on DS side of 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 - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.49	Rating **	M	Issue No.	62
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID	24060				
Comment Code					
Inspector Comment					
DS_ID:24060 FS_ID:22790 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_SP_2020_22790_38826.jpg



Lower conduit visible on DS side of bridge at WS slope.

LM Start	3.57	Rating **	M	Issue No.	63
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675267 °	37.675267 °
				-121.263426 °	-121.263426 °
DWR ID	20519				
Comment Code					
Inspector Comment					
DS_ID:20519 FS_ID:19044 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_SP_2020_19044_31844.jpg



Pipe and gate valve 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	63 (cont)
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675267 °	37.675267 °
				-121.263426 °	-121.263426 °
DWR ID	20519				

Photo 2 of 3 : UCIP_SP_2020_19044_31843.jpg



Pipe visible at sump off LS toe. No pump or appurtances.

LM Start	3.57	Rating **	M	Issue No.	63 (cont)
LM End	3.57	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_19044_31842.jpg



Gate valve 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	64
LM End	3.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.675266 °	37.675266 °	
			-121.263421 °	-121.263421 °	
DWR ID	20525				
Comment Code					
Inspector Comment					
DS_ID:20525 FS_ID:22732 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe). [Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)]. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_SP_2020_22732_38465.jpg



Pipe visible on LS toe.

LM Start	3.57	Rating **	M	Issue No.	64 (cont)
LM End	3.57	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2020_22732_38464.jpg



Pipe with welded steel plate over LS end at 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	65 (cont)
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675247 °	37.675247 °
				-121.263398 °	-121.263398 °
DWR ID	20522				

Photo 3 of 3 : UCIP_SP_2020_22733_38466.jpg



Pipe open at pump sump off LS toe.

LM Start	3.60	Rating **	M	Issue No.	66
LM End	3.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675005 °	37.675005 °
				-121.263103 °	-121.263103 °
DWR ID	20534				

Comment Code

Inspector Comment

DS_ID:20534
 FS_ID:19046
 EP_NO: 13609
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Pipes should be abandoned properly.
 FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 24-inch steel drainage pipe through the levee, 12.67 feet below the crown. Approximately 75 feet upstream of first 24-inch pipe. According to notes in permit, concrete rubble was placed over the pipe on the waterside (WS) slope. (Permit No. 13609, 1983 - Reclamation District No. 2064).
 FS Date: 8/27/2013

Photo 1 of 2 : UCIP_SP_2020_19046_31849.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.60	Rating **	M	Issue No.	66 (cont)
LM End	3.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675005 °	37.675005 °
				-121.263103 °	-121.263103 °
DWR ID	20534				

Photo 2 of 2 : UCIP_SP_2020_19046_31848.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

LM Start	3.60	Rating **	M	Issue No.	47
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.674982 °	37.674982 °
				-121.263082 °	-121.263082 °
DWR ID	DWR_RD2064_01_s_2020_47				
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.05	Rating **	M	Issue No.	33
LM End	4.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.672024 °	37.672024 °	
			-121.256289 °	-121.256289 °	
DWR ID	DWR_RD2064_01_f_2018_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.43	Rating **	M	Issue No.	48
LM End	4.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.668809 °	37.668809 °	
			-121.250846 °	-121.250846 °	
DWR ID	DWR_RD2064_01_s_2020_48				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Landside slope separation/rill caused by surface runoff. Scheduled for repair Spring 2020.					

Photo 1 of 1 : SP_2020_RD2064_313_48_20200402_00060.jpg



View of landside slope separation/rill caused by surface runoff. Spring 2020

LM Start	4.53	Rating **	A/W	Issue No.	41
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.668750 °	37.668750 °	
			-121.249004 °	-121.249004 °	
DWR ID	DWR_RD2064_01_f_2019_41				
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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.55	Rating **	M	Issue No.	42
LM End	4.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.668762 °	37.668762 °
				-121.248697 °	-121.248697 °
DWR ID	DWR_RD2064_01_f_2019_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.58	Rating **	M	Issue No.	49
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.668844 °	37.668844 °
				-121.248100 °	-121.248100 °
DWR ID	DWR_RD2064_01_s_2020_49				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.64	Rating **	M	Issue No.	43
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.669079 °	37.669079 °
				-121.247102 °	-121.247102 °
DWR ID	DWR_RD2064_01_f_2019_43				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There are tire ruts on landside slope caused by farm equipment.					

Photo 1 of 1 : SP_2020_RD2064_313_43_20200228_00011.jpg



View of tire ruts on landside slope caused by farm equipment accessing levee crown. 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.71	Rating **	M	Issue No.	34
LM End	4.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.670134 °	37.670134 °
				-121.246964 °	-121.246964 °
DWR ID	DWR_RD2064_01_f_2018_34				
Comment Code					
ST : Stairway					
Inspector Comment					

No Photos

LM Start	4.72	Rating **	M	Issue No.	67
LM End	4.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID	20520				
Comment Code					
Inspector Comment					
DS_ID:20520 FS_ID:19063 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtenances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_SP_2020_19063_31861.jpg



Concrete distribution box remains in center of structure 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.72	Rating **	M	Issue No.	67 (cont)
LM End	4.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID	20520				

Photo 2 of 2 : UCIP_SP_2020_19063_31860.jpg



Pump platform, walkway, and fender remain in stream. No 24-inch pipe found.

LM Start	4.72	Rating **	M	Issue No.	68
LM End	4.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID	20530				

Comment Code

Inspector Comment

DS_ID:20530
 FS_ID:19064
 EP_NO: 3359
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtenances remain.
 FIELD_STRUCT_DESC: 2 of 2: 18-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)].
 FS Date: 8/27/2013

Photo 1 of 2 : UCIP_SP_2020_19064_31863.jpg



Concrete distribution box in center of structure on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.72	Rating **	M	Issue No.	68 (cont)
LM End	4.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID	20530				

Photo 2 of 2 : UCIP_SP_2020_19064_31862.jpg



Pump platform and fender visible on WS toe.

LM Start	4.82	Rating **	A/W	Issue No.	26
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	LMA-489				

Photo 1 of 3 : SP_2020_RD2064_313_26_20200228_00005.jpg



Comment Code

Inspector Comment

Planned For PL 84-99 Repair in 2020.
 Levee Evaluation Comments
 Description: Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.
 Site ID No: 583
 Site Designation: LMA-489
 Repair Type: Erosion
 Rating: Area of Concern
 Field Date: 8/14/2017
 Notes: Minor toe 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.82	Rating **	A/W	Issue No.	26 (cont)
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	LMA-489				

Photo 2 of 3 : SP_2020_RD2064_313_26_20200228_00006.jpg



LM Start	5.22	Rating **	A/W	Issue No.	26 (cont)
LM End	4.85	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2020_RD2064_313_26_20200228_00007.jpg



LM Start	5.22	Rating **	M	Issue No.	50
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.671943 °	37.671943 °
				-121.242030 °	-121.242030 °
DWR ID	DWR_RD2064_01_s_2020_50				
Comment Code					
PR : Prunings					
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	03/26/2020 03/26/2020	Alberto De Leon

LM Start	5.31	Rating **	A/W	Issue No.	30
LM End	5.31	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		37.670690 °	37.670690 °	
			-121.241600 °	-121.241600 °	
DWR ID	195-8				
Comment Code					
Inspector Comment					
History of seepage, Site ID No:103, Site Designation:195-8					

No Photos

LM Start	5.51	Rating **	M	Issue No.	51
LM End	5.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.667766 °	37.667766 °	
			-121.241095 °	-121.241095 °	
DWR ID	DWR_RD2064_01_s_2020_51				
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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles
Unit No. 02 Stanislaus River	Right	6.08

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/26/2020 - 3/26/2020			
DWR Inspector	Alberto De Leon			
Accompanied By	Keith Veltkamp			
	Dan Eavenson MCR Engineering			

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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.03	Rating **	M	Issue No.	20
LM End	0.03	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.666943 °	37.666943 °	
			-121.240481 °	-121.240481 °	
DWR ID	DWR_RD2064_02_s_2020_20				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	0.26	Rating **	M	Issue No.	19
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.664987 °	37.664987 °	
			-121.237615 °	-121.237615 °	
DWR ID	DWR_RD2064_02_f_2019_19				
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.33	Rating **	M	Issue No.	44 (cont)
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664752 °	37.664752 °
				-121.236512 °	-121.236512 °
DWR ID	24062				

Photo 3 of 3 : UCIP_SP_2020_44653_37713.jpg



Portable pump on WS berm.

LM Start	0.33	Rating **	M	Issue No.	45
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664740 °	37.664740 °
				-121.236474 °	-121.236474 °
DWR ID	20537				

Photo 1 of 3 : UCIP_SP_2020_51385_31892.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

Comment Code					
Inspector Comment					
<p>DS_ID:20537 FS_ID:51385 EP_NO: 4462 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through the levee at the same location. Slant pump on the bank. Siphon breaker on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor on the waterside (WS). Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - C. L. Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, Sheet 1685/58, (Station 307+57A)]. FS Date: 11/16/2016</p>					

* 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.33	Rating **	M	Issue No.	45 (cont)
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664740 °	37.664740 °
				-121.236474 °	-121.236474 °
DWR ID	20537				

Photo 2 of 3 : UCIP_SP_2020_51385_31891.jpg



Deteriated wooded pump platform on WS shoulder.

LM Start	0.33	Rating **	M	Issue No.	45 (cont)
LM End	0.33	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_51385_31890.jpg



2-inch galvanized iron electrical conduit at same location.

LM Start	0.45	Rating **	M	Issue No.	22
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.664121 °	37.664121 °
				-121.234485 °	-121.234485 °
DWR ID	DWR_RD2064_02_s_2020_22				
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	0.97	Rating **	C	Issue No.	27
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.667675 °	37.667675 °	
			-121.229944 °	-121.229944 °	
DWR ID	DWR_RD2064_02_f_2018_27				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair slope damage due to surface runoff.					

No Photos

LM Start	1.14	Rating **	C	Issue No.	30
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.669871 °	37.669871 °	
			-121.228830 °	-121.228830 °	
DWR ID	DWR_RD2064_02_f_2018_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Monitor slope damage from vehicles. LMA created a berm to prevent vehicles from driving onto the levee slope.					

No Photos

LM Start	1.63	Rating **	M	Issue No.	21
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.671846 °	37.671846 °	
			-121.221637 °	-121.221637 °	
DWR ID	DWR_RD2064_02_f_2019_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	1.73	Rating **	M	Issue No.	25
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.673232 °	37.673445 °	
			-121.221993 °	-121.222180 °	
DWR ID	DWR_RD2064_02_f_2019_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	C	Issue No.	17
LM End	1.85	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.673714 °	37.674829 °	
			-121.222345 °	-121.222822 °	
DWR ID	DWR_RD2064_02_s_2017_17				
Comment Code					
BU : Building					
Inspector Comment					
The LMA manager is currently working with the Board to take action on several encroachments (buildings, sheds, vehicles, equipment, debris, etc.).					

No Photos

LM Start	1.78	Rating **	M	Issue No.	31
LM End	1.78	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.673827 °	37.673827 °	
			-121.222411 °	-121.222411 °	
DWR ID	DWR_RD2064_02_f_2018_31				
Comment Code					
ST : Stairway					
Inspector Comment					



View of stairway with railing that appears to be without a permit. Fall 2018

* 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	1.97	Rating **	M	Issue No.	46 (cont)
LM End	1.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID	24063				

Photo 3 of 3 : UCIP_SP_2020_22095_37720.jpg



Filterplant visible on LS toe.

LM Start	2.30	Rating **	M	Issue No.	32
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.681044 °	37.682045 °
				-121.224068 °	-121.224106 °
DWR ID	DWR_RD2064_02_f_2019_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation has been sprayed, however, Johnson grass has resurfaced and needs to be mowed.					

Photo 1 of 1 : SP_2020_RD2064_314_32_20200228_00003.jpg



View of vegetation on landside slope. Fall 2019

LM Start	2.40	Rating **	A/W	Issue No.	23
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.682375 °	37.682375 °
				-121.223848 °	-121.223848 °
DWR ID	DWR_RD2064_02_s_2020_23				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion repaired December 2019. Continue to monitor.					

Photo 1 of 1 : SP_2020_RD2064_314_23_20200402_00052.jpg



View of waterside erosion repair looking downstream. Spring 2020

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	2.53	Rating **	M	Issue No.	47
LM End	2.53	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.684148 °	37.684148 °	
			-121.223599 °	-121.223599 °	
DWR ID	20540				
Comment Code					
Inspector Comment					
DS_ID:20540 FS_ID:19086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 14.5 feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Slant pump mounted on the berm next to a 5-foot by 9-foot concrete riser. 1.5-inch electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 2.51)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP_SP_2020_19086_31954.jpg



Gate valve on WS shoulder. Pump next to concrete riser in background.

LM Start	2.53	Rating **	M	Issue No.	47 (cont)
LM End	2.53	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_19086_31953.jpg



Wet area next to roadway off LS toe may indicate a leak. Power pole and meter 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	2.53	Rating **	M	Issue No.	47 (cont)
LM End	2.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.684148 °	37.684148 °
				-121.223599 °	-121.223599 °
DWR ID	20540				

Photo 3 of 3 : UCIP_SP_2020_19086_31952.jpg



Concrete riser in field north of levee likely outlet for cox culvert.

LM Start	2.72	Rating **	M	Issue No.	34
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.684490 °	37.685662 °
				-121.220602 °	-121.219735 °
DWR ID	DWR_RD2064_02_f_2018_34				
Comment Code					
FE : Fence					
Inspector Comment					
Fence with ivy growing on it blocks visibility of landside toe.					

Photo 1 of 1 : SP_2020_RD2064_314_34_20200228_00004.jpg



View of fence with ivy obstructing the visibility of the landside toe. (Spring 2019)

LM Start	2.73	Rating **	M	Issue No.	24
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.684550 °	37.685649 °
				-121.220585 °	-121.219770 °
DWR ID	DWR_RD2064_02_s_2020_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation on fence.					

Photo 1 of 1 : SP_2020_RD2064_314_24_20200402_00053.jpg



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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	2.84	Rating **	M	Issue No.	38
LM End	2.84	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.685977 °	37.685977 °	
			-121.219518 °	-121.219518 °	
DWR ID	DWR_RD2064_02_s_2019_38				
Comment Code					
PR : Prunings					
Inspector Comment					
There is a pruning pile on the landside shoulder.					

Photo 1 of 1 : SP_2020_RD2064_314_38_20200228_00005.jpg



View of pruning pile on landside shoulder obstructing visibility. (Spring 2019)

LM Start	2.92	Rating **	M	Issue No.	35
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.686510 °	37.686510 °	
			-121.218206 °	-121.218206 °	
DWR ID	DWR_RD2064_02_f_2019_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.99	Rating **	M	Issue No.	36
LM End	3.04	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.687303 °	37.687872 °	
			-121.217415 °	-121.217120 °	
DWR ID	DWR_RD2064_02_f_2018_36				
Comment Code					
FE : Fence					
Inspector Comment					
A fence encroaches on the levee toe.					

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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	3.00	Rating **	C	Issue No.	41
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.687339 °	37.688140 °
				-121.217398 °	-121.216831 °
DWR ID	DWR_RD2064_02_f_2019_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.05	Rating **	M	Issue No.	26
LM End	3.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.687993 °	37.687993 °
				-121.217014 °	-121.217014 °
DWR ID	DWR_RD2064_02_s_2020_26				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	4.09	Rating **	M	Issue No.	42
LM End	4.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.693944 °	37.694359 °
				-121.207286 °	-121.207224 °
DWR ID	DWR_RD2064_02_f_2019_42				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.19	Rating **	M	Issue No.	48 (cont)
LM End	4.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695198 °	37.695198 °
				-121.206414 °	-121.206414 °
DWR ID	20542				

Photo 3 of 3 : UCIP_SP_2020_41075_31961.jpg



Pipe with missing flapgates on LS at concrete ditch.

LM Start	4.24	Rating **	M	Issue No.	49
LM End	4.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695745 °	37.695745 °
				-121.205865 °	-121.205865 °
DWR ID	24064				

Comment Code

Inspector Comment

DS_ID:24064
 FS_ID:22107
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe does not have adequate cover at crown.
 FIELD_STRUCT_DESC: 12-inch steel discharge pipe through the levee, 0.5 feet below the crown. Pump on concrete headwall at the landside (LS) toe. Pipe discharges into a 6-foot by 7-foot concrete box on the waterside (WS) shoulder.
 FS Date: 8/28/2013

Photo 1 of 2 : UCIP_SP_2020_22107_37736.jpg



Pump for pipe on concrete headwall at LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.24	Rating **	M	Issue No.	49 (cont)
LM End	4.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695745 °	37.695745 °
				-121.205865 °	-121.205865 °
DWR ID	24064				

Photo 2 of 2 : UCIP_SP_2020_22107_37735.jpg



Pipe discharges into concrete riser on WS slope.

LM Start	4.41	Rating **	A/W	Issue No.	50
LM End	4.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696386 °	37.696386 °
				-121.202963 °	-121.202963 °
DWR ID	20549				

Comment Code

Inspector Comment

DS_ID:20549
 FS_ID:19117
 EP_NO: N/A
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)].
 FS Date: 8/28/2013

Photo 1 of 3 : UCIP_SP_2020_19117_32069.jpg



Headwall on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.41	Rating **	A/W	Issue No.	50 (cont)
LM End	4.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696386 °	37.696386 °
				-121.202963 °	-121.202963 °
DWR ID	20549				

Photo 2 of 3 : UCIP_SP_2020_19117_32068.jpg



Headwall on WS toe.

LM Start	4.41	Rating **	A/W	Issue No.	50 (cont)
LM End	4.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_19117_32067.jpg



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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.64	Rating **	A/W	Issue No.	52 (cont)
LM End	4.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.697101 °	37.697101 °
				-121.199048 °	-121.199048 °
DWR ID	20551				

Photo 2 of 3 : UCIP_SP_2020_19120_32078.jpg



Concrete headwall on WS toe.

LM Start	4.64	Rating **	A/W	Issue No.	52 (cont)
LM End	4.64	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_19120_32077.jpg



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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.78	Rating **	A/W	Issue No.	53 (cont)
LM End	4.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696888 °	37.696888 °
				-121.196511 °	-121.196511 °
DWR ID	20552				

Photo 3 of 3 : UCIP_SP_2020_19122_32081.jpg



Concrete headwall on LS toe.

LM Start	4.92	Rating **	M	Issue No.	54
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24065				

Photo 1 of 3 : UCIP_SP_2020_22108_37739.jpg



PVC pipe at right inside stormdrain on LS toe.

Comment Code					
Inspector Comment					
DS_ID:24065 FS_ID:22108 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

* 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	4.92	Rating **	M	Issue No.	54 (cont)
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24065				

Photo 2 of 3 : UCIP_SP_2020_22108_37738.jpg



PVC pipe at right inside stormdrain on LS toe.

LM Start	4.92	Rating **	M	Issue No.	54 (cont)
LM End	4.92	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_22108_37737.jpg



Evidence of discharge through PVC conduit 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	5.10	Rating **	A/W	Issue No.	57
LM End	5.10	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.697483 °	37.697483 °	
			-121.191332 °	-121.191332 °	
DWR ID	20554				
Comment Code					
Inspector Comment					
DS_ID:20554 FS_ID:22794 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP_SP_2020_22794_38851.jpg



Concrete U shaped headwall on WS toe.

LM Start	5.10	Rating **	A/W	Issue No.	57 (cont)
LM End	5.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_22794_38850.jpg



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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	5.10	Rating **	A/W	Issue No.	57 (cont)
LM End	5.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.697483 °	37.697483 °
				-121.191332 °	-121.191332 °
DWR ID	20554				

Photo 3 of 3 : UCIP_SP_2020_22794_38853.jpg



Concrete headwall on LS toe.

LM Start	5.46	Rating **	M	Issue No.	58
LM End	5.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699557 °	37.699557 °
				-121.185385 °	-121.185385 °
DWR ID	24067				

No Photos

Comment Code

Inspector Comment

DS_ID:24067
 FS_ID:22795
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No permit identified for this crossing. No photos available.
 FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 0.75 feet below the crown. Butterfly valve and vent on the landside (LS) shoulder. Vent on the waterside (WS) shoulder.
 FS Date: 8/28/2013

* 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	5.54	Rating **	M	Issue No.	59
LM End	5.54	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.699848 °	37.699848 °	
			-121.184135 °	-121.184135 °	
DWR ID	20555				
Comment Code					
Inspector Comment					
DS_ID:20555 FS_ID:19145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so appropriately. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.48)]. FS Date: 8/28/2013					

Photo 1 of 2 : UCIP_SP_2020_19145_32126.jpg



Slide gate in CMP riser on WS slope

LM Start	5.54	Rating **	M	Issue No.	59 (cont)
LM End	5.54	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2020_19145_32125.jpg



Pipe in CMP riser on WS 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. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	03/26/2020 03/26/2020	Alberto De Leon

LM Start	5.74	Rating **	M	Issue No.	60
LM End	5.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.702220 °	37.702220 °
				-121.182210 °	-121.182210 °
DWR ID	20556				
Comment Code					
Inspector Comment					
DS_ID:20556 FS_ID:19146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing and CMP riser filled with soil. Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 20-inch corrugated metal irrigation pipe through the levee, 13 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated metal cutoff walls. Underground irrigation system. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.69)]. FS Date: 8/28/2013					

Photo 1 of 1 : UCIP_SP_2020_19146_32127.jpg



CMP riser for slide gate filled with soil.

LM Start	5.89	Rating **	C	Issue No.	43
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.704049 °	37.704049 °
				-121.181041 °	-121.181041 °
DWR ID	DWR_RD2064_02_f_2019_43				
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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