

## Flood Control Project Maintenance Levee Inspections

### Fall 2020 Levee Maintenance Deficiency Summary Report

#### San Joaquin River Basin

<b>RD0524</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0524 Middle Roberts Island</b>	<b>U</b>	<b>6.20</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.67	0.28	1.79	28.88%		0.10		
Trim / Thin Trees	0.77	0.20	1.57	25.33%				
Encroachments	0.07		0.07	1.13%	0.42	0.10		
Animal Control	0.86	0.36	2.30	37.11%				
Erosion / Bank Caving	0.12		0.12	1.94%				
Repair Gates	0.02		0.02	0.32%				
Emergency Supplies & Equipment	0.06		0.06	0.97%				
Flood Preparedness & Training	0.06		0.06	0.97%				
<i>Supplemental</i>								
DWR Erosion Survey	0.09	0.27	1.17	18.88%				
DWR UCIP Field Study					0.72			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	2.72	1.11	7.16	115.53%	1.14	0.20	0.00	0.00

<b>Unit No. 01 San Joaquin River LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0524</b>	<b>U</b>	<b>6.20</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.67	0.28	1.79	28.88%		0.10		
Trim / Thin Trees	0.77	0.20	1.57	25.33%				
Encroachments	0.07		0.07	1.13%	0.42	0.10		
Animal Control	0.86	0.36	2.30	37.11%				
Erosion / Bank Caving	0.12		0.12	1.94%				
Repair Gates	0.02		0.02	0.32%				
<i>Supplemental</i>								
DWR Erosion Survey	0.09	0.27	1.17	18.88%				
DWR UCIP Field Study					0.72			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	2.60	1.11	7.04	113.59%	1.14	0.20	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet**

**Reclamation District No. 0524 Middle Roberts Island**

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

\*\* 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**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	6.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/30/2020 - 4/30/2020		9/25/2020 - 9/25/2020	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Mike Engelmann DWR		Mike Engelmann DWR	
	Aaron Lickingteller KSN		Jack Wilbur KSN-District Engineer	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	121
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0524_01_s_2012_121				
Comment Code					
Inspector Comment					
The RD has a digital copy of the O&M manual.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	123
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD0524_01_s_2012_123				
Comment Code					
Inspector Comment					
No recent training.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	138
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0524_01_s_2013_138				
Comment Code					
Inspector Comment					
The LMA does not appear to have emergency supplies or equipment.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.00	Rating **	U	Issue No.	96
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.941193 °	37.941193 °
				-121.346093 °	-121.346093 °
DWR ID	DWR_RD0524_01_s_2020_96				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_96\_20200901\_00044.jpg



View of large animal burrow on waterside hinge. Spring 2020

LM Start	0.01	Rating **	M	Issue No.	107
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.941151 °	37.939900 °
				-121.346011 °	-121.344580 °
DWR ID	DWR_RD0524_01_f_2019_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	131
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.941113 °	37.941113 °
				-121.345959 °	-121.345959 °
DWR ID	DWR_RD0524_01_s_2019_131				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple small holes on waterside shoulder do not appear to be active.					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.15	Rating **	M	Issue No.	108
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.939539 °	37.939539 °
				-121.344316 °	-121.344316 °
DWR ID	DWR_RD0524_01_f_2019_108				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.17	Rating **	M	Issue No.	97
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.939423 °	37.939238 °
				-121.344189 °	-121.344035 °
DWR ID	DWR_RD0524_01_s_2020_97				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.18	Rating **	U	Issue No.	5
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939085 °	37.939085 °
				-121.343917 °	-121.343917 °
DWR ID	RD0524U01RM40.85				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM40.85 09/24/2020: From 2014 to present, no significant changes were observed during the annual survey. 08/13/2013: The erosion was discovered during 2013 spring levee inspection. Inspector comment: Erosion is located along the lower level of water-ward slope.					

Photo 1 of 2 : SJR2019\_RD0524U01RM40.85\_02.JPG



9/24/2020: Front view of the erosion.

LM Start	<b>0.18</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM40.85\_05.JPG



9/24/2020: Close-up view of the erosion.

LM Start	0.23	Rating **	M	Issue No.	201
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938648 °	37.938648 °
				-121.343480 °	-121.343480 °
DWR ID	DWR_RD0524_01_f_2016_201				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_201\_20200901\_00083.jpg



View of tree on waterside slope looking upstream. Spring 2019.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.26	Rating **	M	Issue No.	109
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938486 °	37.938486 °
				-121.343078 °	-121.343078 °
DWR ID	DWR_RD0524_01_f_2019_109				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.27	Rating **	U	Issue No.	179
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938438 °	37.938438 °
				-121.342883 °	-121.342883 °
DWR ID	DWR_RD0524_01_s_2014_179				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree blocking view of waterside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_179\_20201005\_00225.jpg



View of large untrimmed walnut tree on landside slope. Fall 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.30	Rating **	M	Issue No.	933	
LM End	0.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.938360 °	37.938360 °	
				-121.342338 °	-121.342338 °	
DWR ID	20590					
Comment Code						
Inspector Comment						
DS_ID:20590 FS_ID:61802 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Abandoned encroachment Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: *ABANDONED* 14-inch irrigation pipe of an unknown material through the levee, 3 feet below the crown. Plugged with concrete. Concrete pad for pump still exists on the waterside (WS) shoulder. (Abandoned under Permit No. 6035, 1968 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.27)]. FS Date: 6/23/2020 2:30:00 PM						

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>933 (cont)</b>
LM End	<b>0.30</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61802\_29692.jpg



Kasons in stream where 14-inch pipe would have been at WS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_61802\_29691.jpg



Concrete pad for pump remains on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>933 (cont)</b>
LM End	<b>0.30</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.938360 °	37.938360 °	
			-121.342338 °	-121.342338 °	
DWR ID	20590				

Photo 3 of 3 : UCIP\_FA\_2020\_61802\_29690.jpg



No evidence of crossing remains on LS slope or toe.

LM Start	0.31	Rating **	M	Issue No.	112
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938409 °	37.938409 °
				-121.342140 °	-121.342140 °
DWR ID	DWR_RD0524_01_f_2019_112				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.32	Rating **	M	Issue No.	113
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938434 °	37.938434 °
				-121.341968 °	-121.341968 °
DWR ID	DWR_RD0524_01_f_2019_113				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.32	Rating **	M	Issue No.	118
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938434 °	37.938434 °
				-121.341967 °	-121.341967 °
DWR ID	DWR_RD0524_01_f_2019_118				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.34	Rating **	M	Issue No.	24
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.938461 °	37.938461 °
				-121.341526 °	-121.341526 °
DWR ID	RD0524U01RM40.93				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM40.93					
09/24/2020: From 2018 to present, no significant changes were observed during the annual survey.					
09/13/2017: There are two pocket erosions at the site; both erosions are around 10 ft long and 6 ft high.					

LM Start	<b>0.34</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.34</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM40.93\_02.JPG



9/24/2020: View of the erosion looking upstream.

Photo 2 of 2 : SJR2019\_RD0524U01RM40.93\_03.JPG



9/24/2020: Front view of the one of the erosion pockets.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.35	Rating **	U	Issue No.	125
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938487 °	37.938509 °
				-121.341491 °	-121.341300 °
DWR ID	DWR_RD0524_01_f_2019_125				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_125\_20200901\_00056.jpg



View of large rodent hole on landside slope. Fall 2019

LM Start	0.35	Rating **	M	Issue No.	934	
LM End	0.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.938484 °	37.938484 °	
				-121.341370 °	-121.341370 °	
DWR ID	20591					
Comment Code						
Inspector Comment						
DS_ID:20591 FS_ID:61803 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Crossing appears abandoned. (D.Sanoski - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch irrigation pipe of an unknown material through the levee, 5 feet below the crown. Plugged with concrete. Abandoned pump house and pump on the waterside (WS) slope. (Abandoned under Permit No. 6035, 1968 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.33)]. FS Date: 6/23/2020 2:30:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61803\_29694.jpg



Pilons filled with concrete on WS slope at possible location of crossing.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>934 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.938484 °	37.938484 °	
			-121.341370 °	-121.341370 °	
DWR ID	20591				

Photo 2 of 3 : UCIP\_FA\_2020\_61803\_29693.jpg



Some evidence of pumphouse in debris pile on LS toe.

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>934 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61803\_89224.jpg



Top of Levee: view of crown.

LM Start	0.36	Rating **	M	Issue No.	120
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938511 °	37.938511 °
				-121.341300 °	-121.341300 °
DWR ID	DWR_RD0524_01_f _ 2019_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.36	Rating **	U	Issue No.	122
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938509 °	37.938509 °
				-121.341297 °	-121.341297 °
DWR ID	DWR_RD0524_01_f_2019_122				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_122\_20200901\_00055.jpg



View of large animal burrow on waterside slope. Spring 2020

LM Start	0.39	Rating **	M	Issue No.	126
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938590 °	37.938590 °
				-121.340601 °	-121.340601 °
DWR ID	DWR_RD0524_01_f_2019_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.40	Rating **	U	Issue No.	16
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.938608 °	37.938608 °
				-121.340498 °	-121.340498 °
DWR ID	RD0524U01RM40.99				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM40.99					
09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. A small erosion repair site is located immediately downstream.					
08/07/2012: The erosion is at the upper levee slope, and likely caused by slope slip. The lower levee slope is covered with dense vegetation.					

LM Start	<b>0.40</b>	Rating **	U	Issue No.	<b>16 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM40.99\_01.JPG



9/24/2020: Overview of the erosion which is just upstream of a small erosion repair.

Photo 2 of 2 : SJR2019\_RD0524U01RM40.99\_03.JPG



9/24/2020: Close-up view of the erosion on the upper levee slope.

LM Start	0.50	Rating **	M	Issue No.	100
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.938710 °	37.938710 °
				-121.338639 °	-121.338639 °
DWR ID	DWR_RD0524_01_s_2020_100				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.63	Rating **	U	Issue No.	11
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.938232 °	37.938160 °
				-121.336484 °	-121.336357 °
DWR ID	DWR_RD0524_01_s_2012_11				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arrundo on waterside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_11\_20200901\_00005.jpg



Looking at bamboo on waterward slope. (Spring 2018)

LM Start	0.63	Rating **	M	Issue No.	25
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.938247 °	37.938247 °
				-121.336503 °	-121.336503 °
DWR ID	RD0524U01RM41.26				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.26					
09/24/2020: From 2018 to present, no significant changes were observed during the annual survey.					
09/13/2017: The erosion was discovered by levee inspection. The erosion site is immediately downstream of tall vegetation.					

Photo 1 of 2 : SJR2019\_RD0524U01RM41.26\_01.JPG



9/24/2020: Front view of the erosion.

LM Start	<b>0.63</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.63</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM41.26\_02.JPG



9/24/2020: Close-up view of the erosion.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.67	Rating **	U	Issue No.	14
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.937808 °	37.937808 °
				-121.335913 °	-121.335913 °
DWR ID	DWR_RD0524_01_s_2012_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on waterside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_14\_20200901\_00006.jpg



View of bamboo on waterside slope. Fall 2019

LM Start	0.67	Rating **	M	Issue No.	935	
LM End	0.67	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.937813 °		37.937813 °
				-121.335817 °		-121.335817 °
DWR ID	20653					
Comment Code						
Inspector Comment						
DS_ID:20653 FS_ID:61809 EP_NO: 9127A Repair Type: Non-Urgent EVAL Issue: Abandoned encroachment Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. (D.Sanoski - DWR UCIP)						
FIELD_STRUCT_DESC: *REMOVED* 3 of 4: 6-inch polyvinyl chloride sewer pipe through the levee, 1 foot below the crown. Evidence of crossing remains in concrete debris on the waterside (WS) slope. (Permit No. 9127-A, 1975 - City of Stockton). FS Date: 6/23/2020 2:31:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61809\_29710.jpg



6-inch PVC pipe visible in concrete debris on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.67</b>	Rating **	M	Issue No.	<b>935 (cont)</b>
LM End	<b>0.67</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.937813 °	37.937813 °	
			-121.335817 °	-121.335817 °	
DWR ID	20653				

Photo 2 of 3 : UCIP\_FA\_2020\_61809\_89239.jpg



Top of Levee: view of crown.

LM Start	<b>0.67</b>	Rating **	M	Issue No.	<b>935 (cont)</b>
LM End	<b>0.67</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61809\_89240.jpg



Land-Side: view of LS and tank.

LM Start	0.70	Rating **	M	Issue No.	26
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.937577 °	37.937577 °
				-121.335491 °	-121.335491 °
DWR ID	RD0524U01RM41.34				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.34					
09/24/2020: From 2018 to present, no significant changes were observed during the annual survey.					
09/13/2017: Pocket erosion above the protected levee toe.					

Photo 1 of 2 : SJR2019\_RD0524U01RM41.34\_03.JPG



9/24/2020: Front view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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# Reclamation District No. 0524 Middle Roberts Island

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.72	Rating **	M	Issue No.	157
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.937290 °	37.937290 °
				-121.335417 °	-121.335417 °
DWR ID	DWR_RD0524_01_s_2017_157				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Rills on landside slope appear to be caused by surface runoff.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_157\_20200901\_00064.jpg



View of erosion caused by surface runoff on landside slope. Spring 2020

LM Start	0.72	Rating **	M	Issue No.	129
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.937268 °	37.937268 °
				-121.335341 °	-121.335341 °
DWR ID	DWR_RD0524_01_f_2019_129				
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                      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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	936	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.936951 °	37.936951 °	
				-121.335132 °	-121.335132 °	
DWR ID	20595					
Comment Code						
Inspector Comment						
DS_ID:20595 FS_ID:61917 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. Found a telephone utility box at the same location. (D.Sanoski - DWR UCIP) FIELD_STRUCT_DESC: 2.5-inch telephone conduit of an unknown material through the levee, 2 feet below the crown and under the channel. Conduit visible on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 6/23/2020 2:32:00 PM						

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>936 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61917\_29717.jpg



Conduit visible on WS shoulder next to bridge abutment. Cable appears to be abandoned.

Photo 2 of 3 : UCIP\_FA\_2020\_61917\_89277.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	936 (cont)
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.936951 °	37.936951 °
				-121.335132 °	-121.335132 °
DWR ID	20595				

Photo 3 of 3 : UCIP\_FA\_2020\_61917\_89278.jpg



Water-Side: view of WS slope and telephone cable box.

LM Start	0.76	Rating **	U	Issue No.	4
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.936749 °	37.936749 °
				-121.334971 °	-121.334971 °
DWR ID	RD0524U01RM41.39				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM41.39

09/24/2020: From 2013 to present, no significant changes were observed during the annual survey.

08/07/2012: The site has been visited by boat survey. No significant change observed.

08/23/2011: The site is located immediately upstream of a Railroad bridge. Dense vegetation at the water line blocks the view of erosion.

Photo 1 of 2 : SJR2019\_RD0524U01RM41.39\_01.JPG



9/24/2020: Front view of the erosion.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.76</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.936749 °	37.936749 °	
			-121.334971 °	-121.334971 °	
DWR ID	RD0524U01RM41.39				

Photo 2 of 2 : SJR2019\_RD0524U01RM41.39\_02.JPG



9/24/2020: Close-up view of the erosion.

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>937</b>
LM End	<b>0.78</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.936474 °	37.936474 °	
			-121.334830 °	-121.334830 °	
DWR ID	20596				

**Comment Code**

**Inspector Comment**

DS\_ID:20596  
FS\_ID:61918  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 8-inch steel pipe of unknown purpose through the levee, 4 feet below the crown. Pump at the toe of the landside (LS) slope, not found 8/16/13. Siphon breaker in 24-inch corrugated metal riser unit on the waterside (WS) slope. [Additional Reference(s): USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.79)].

FS Date: 6/23/2020 2:32:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61918\_29719.jpg



Siphon breaker in 24-inch cmp riser on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>937 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.936474 °	37.936474 °	
			-121.334830 °	-121.334830 °	
DWR ID	20596				

Photo 2 of 3 : UCIP\_FA\_2020\_61918\_29718.jpg



Large hole in pipe at WS toe.

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>937 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61918\_89281.jpg



Top of Levee: view of crown.

LM Start	0.78	Rating **	M	Issue No.	276
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.936473 °	37.936473 °
				-121.334821 °	-121.334821 °
DWR ID	DWR_RD0524_01_s_2020_276				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.79	Rating **	M	Issue No.	155	
LM End	0.80	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.936300 °		37.936200 °
				-121.334700 °		-121.334600 °
DWR ID	LMA-444					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
This was a 2017 Storm Damage Site. Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No:538 Site Designation:LMA-444						

Photo 1 of 1 : LEVAL\_FA\_2020\_538\_4097.jpg



LM Start	0.81	Rating **	M	Issue No.	203
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.936060 °	37.935265 °
				-121.334569 °	-121.332947 °
DWR ID	DWR_RD0524_01_f_2020_203				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.83	Rating **	U	Issue No.	10
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935838 °	37.935838 °
				-121.334408 °	-121.334408 °
DWR ID	RD0524U01RM41.44				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM41.44

09/24/2020: From 2014 to present, no significant changes were observed during the annual survey. The vegetation is tall and limiting the view of the erosion.

08/13/2013: Site was discovered during boat survey. The dense vegetation blocks a clear view of the erosion. Size of erosion site was very roughly estimated.

LM Start	<b>0.83</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>0.84</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM41.44\_02.JPG



9/24/2020: Tall vegetation is blocking the view of the erosion.

Photo 2 of 2 : SJR2019\_RD0524U01RM41.44\_3.JPG



8/13/2020: Close-up view of the site.

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.90	Rating **	A/W	Issue No.	193
LM End	0.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.935400 °	37.935300 °
				-121.333300 °	-121.333200 °
DWR ID	LMA-443				
Comment Code					
Inspector Comment					
Planned For Repair.					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:537					
Site Designation:LMA-443					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/10/2017					
Notes:					

LM Start	<b>0.90</b>	Rating **	A/W	Issue No.	<b>193 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : LEVAL\_FA\_2020\_537\_4102.jpg



Photo 2 of 3 : LEVAL\_FA\_2020\_537\_4103.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0524 Middle Roberts Island



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.91</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.935297 °	37.935297 °	
			-121.333182 °	-121.333182 °	
DWR ID	RD0524U01RM41.5				

Photo 2 of 2 : SJR2019\_RD0524U01RM41.5\_02.JPG



9/24/2020: Close-up view of the erosion.

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>938</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.935267 °	37.935267 °	
			-121.332985 °	-121.332985 °	
DWR ID	20597				

**Comment Code**

**Inspector Comment**

DS\_ID:20597  
FS\_ID:61919  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. Location updated to be at LM 0.92. (D.Sanoski - DWR UCIP)  
11/16/2016 - Location may be at LM 0.92 (37.935267, -121.332985) rather than LM 0.974. Need to field verify (DWR UCIP - thatch)  
8/16/2013 - Pipe abandoned and should be done so properly. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 14-inch irrigation pipe of an unknown material through the levee, 6 feet below the crown. Concrete pad for pump on the waterside (WS) shoulder. No pump or other appurtenances remain. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.93)].  
FS Date: 6/23/2020 2:32:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61919\_38442.jpg



Concrete pad for pump mount on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>938 (cont)</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.935267 °	37.935267 °	
			-121.332985 °	-121.332985 °	
DWR ID	20597				

Photo 2 of 3 : UCIP\_FA\_2020\_61919\_38441.jpg



Pipe visible on WS slope.

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>938 (cont)</b>
LM End	<b>0.92</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61919\_38440.jpg



One way check valve closed on WS slope.

LM Start	0.92	Rating **	M	Issue No.	158
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.935257 °	37.934988 °
				-121.332969 °	-121.331152 °
DWR ID	DWR_RD0524_01_s_2017_158				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple large rodent holes along this stretch.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.97	Rating **	M	Issue No.	20
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.935181 °	37.935181 °
				-121.332125 °	-121.332125 °
DWR ID	DWR_RD0524_01_f_2017_20				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_20\_20200901\_00013.jpg



Looking southeast at untrimmed tree on waterward slope.(Fall 2018)

LM Start	0.98	Rating **	M	Issue No.	939
LM End	0.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.935163 °	37.935163 °
				-121.331887 °	-121.331887 °
DWR ID	20598				
Comment Code					
Inspector Comment					
DS_ID:20598 FS_ID:61920 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: *ABANDONED* 36-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Landside (LS) end is not visible. Concrete headwall at outlet on the waterside (WS) slope is visible. Pipe appears to be abandoned in place. Slide gate on the WS removed. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.99)]. FS Date: 6/23/2020 2:32:00 PM					

Photo 1 of 3 : UCIP\_FA\_2020\_61920\_29736.jpg



Concrete headwall visible on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>0.98</b>	Rating **	M	Issue No.	<b>939 (cont)</b>
LM End	<b>0.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.935163 °	37.935163 °	
			-121.331887 °	-121.331887 °	
DWR ID	20598				

Photo 2 of 3 : UCIP\_FA\_2020\_61920\_29735.jpg



Slide gate removed from headwall on WS slope.

LM Start	<b>0.98</b>	Rating **	M	Issue No.	<b>939 (cont)</b>
LM End	<b>0.98</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61920\_89287.jpg



Top of Levee: view of crown.

LM Start	1.00	Rating **	U	Issue No.	15
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935106 °	37.935106 °
				-121.331554 °	-121.331554 °
DWR ID	RD0524U01RM41.58				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.58					
09/24/2020: From 2013 to present, no significant changes were observed during the annual survey.					
08/07/2012: The erosion was discovered during the boat survey.					

Photo 1 of 2 : SJR2019\_RD0524U01RM41.58\_03.JPG



9/24/2020: Front view of the erosion.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.00	Rating **	U	Issue No.	15 (cont)
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935106 °	37.935106 °
				-121.331554 °	-121.331554 °
DWR ID	RD0524U01RM41.58				

Photo 2 of 2 : SJR2019\_RD0524U01RM41.58\_02.JPG



9/24/2020: Close-up view of the erosion.

LM Start	1.00	Rating **	M	Issue No.	270
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.935107 °	37.935107 °
				-121.331526 °	-121.331526 °
DWR ID	DWR_RD0524_01_s_2020_270				
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                      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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.00	Rating **	M	Issue No.	198
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.935100 °	37.935100 °
				-121.331500 °	-121.331300 °
DWR ID	LMA-442				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This was a 2017 Storm Damage Site. Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No:536 Site Designation:LMA-442 There appears to be previous repair site adjacent to LMA-442. Large fox den on landside.					

Photo 1 of 1 : LEVAL\_FA\_2020\_536\_4109.jpg



LM Start	1.01	Rating **	U	Issue No.	238
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.935075 °	37.935075 °
				-121.331460 °	-121.331460 °
DWR ID	DWR_RD0524_01_f_2017_238				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple large rodent holes on landward slope and toe. Large hole on crown near landside shoulder					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_238\_20200901\_00106.jpg



Large rodent hole landside shoulder looking downstream. Spring 2019.

\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.02	Rating **	U	Issue No.	2
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935078 °	37.935078 °
				-121.331134 °	-121.331134 °
DWR ID	RD0524U01RM41.59				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM41.59

09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. The erosion is occurring immediately downstream of a repaired site.

08/07/2012: The site has been visited by boat survey. Site has been repaired, but new erosion occurred at the levee slope and immediately upstream of the repaired site.

08/23/2011: The site is about 500 ft downstream of bridge. The levee toe seems to be protected, but the protection is being washed away.

LM Start	<b>1.02</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM41.59\_04.JPG



9/24/2020: The erosion is occurring immediately downstream of a repaired site.

Photo 2 of 2 : SJR2019\_RD0524U01RM41.59\_03.JPG



9/24/2020: Close-up view of the erosion.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.02	Rating **	A/W	Issue No.	208
LM End	1.02	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.934840 °	37.934840 °
				-121.331190 °	-121.331190 °
DWR ID	188-47				
Comment Code					
Inspector Comment					
This was a 2017 Storm Damage Site.					
Site ID No:86					
Site Designation:188-47					

No Photos

LM Start	1.13	Rating **	M	Issue No.	194
LM End	1.13	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.934118 °	37.934118 °
				-121.329583 °	-121.329583 °
DWR ID	DWR_RD0524_01_f_2020_194				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.15	Rating **	U	Issue No.	22
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.933347 °	37.933347 °
				-121.329110 °	-121.329110 °
DWR ID	RD0524U01RM41.79				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM41.79

09/24/2020: From 2011 to present, no significant changes were observed during the annual survey. Minimal vegetation covers the upper levee slope. The lower slope is covered with medium dense vegetation. Riprap is visible in some areas.

09/07/2010: Vegetation is visible at the water line. There is an exposed pipe discharge partially hanging at the mid-slope, possibly still used for discharging irrigation/runoff water. There is minimal rip rap protection along the bank, and what's left of it is no longer adequately protecting the bank.

9/29/2009: Site consists of a 400-foot long eroding bank with minimal vegetation and protection; the existing rip rap has sloughed, rendering it useless; note that there is an exposed section of a pipe.

10/18/2006: There is extensive loss of rip rap on some sections; sewage disposal pond is on the landside of the levee; there is an exposed pipe outlet "hanging" from the upper slope.

LM Start	<b>1.15</b>	Rating **	U	Issue No.	<b>22 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM41.79\_04.JPG



9/24/2020: Erosion visible on the upper levee slope.

Photo 2 of 2 : SJR2019\_RD0524U01RM41.79\_02.JPG



9/24/2020: Front view of the erosion with riprap on the levee slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.16	Rating **	M	Issue No.	19
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.933810 °	37.933810 °
				-121.329317 °	-121.329317 °
DWR ID	DWR_RD0524_01_s _ 2012_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_19\_20200901\_00012.jpg



Looking southeast at low hanging tree branches at waterside toe.

LM Start	1.18	Rating **	M	Issue No.	268
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.933554 °	37.933554 °
				-121.329129 °	-121.329129 °
DWR ID	DWR_RD0524_01_s _ 2020_268				
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                      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

# Reclamation District No. 0524 Middle Roberts Island

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.25	Rating **	A/W	Issue No.	222 (cont)
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.932600 °	37.931900 °
				-121.328700 °	-121.328400 °
DWR ID	LMA-440				

Photo 3 of 3 : LEVAL\_FA\_2020\_534\_4126.jpg



LM Start	1.28	Rating **	M	Issue No.	190
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.932118 °	37.932118 °
				-121.328474 °	-121.328474 °
DWR ID	DWR_RD0524_01_f_2020_190				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.29	Rating **	M	Issue No.	940
LM End	1.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.931977 °	37.931977 °
				-121.328401 °	-121.328401 °
DWR ID	20602				

**Comment Code**

**Inspector Comment**

DS\_ID:20602  
FS\_ID:61927  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)  
10/2/2018 Pipe appears abandoned, but both the pipe and levee appear in good condition; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).11/16/2016 same as previous inspection both ends are open. This pipe does not appear in use. Need to contact owner to determine status of crossing. If the crossing is abandoned or in use, owner will need to coordinate with the CVFPB to comply with Title 23 requirements. (O. Magana - DWR UCIP)08/16/2013 Pipe appears to be open on both ends. Abandoned and should be done so properly. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 12-inch steel drainage pipe through the levee, 3.5 feet below the crown. Pipe is opened on the waterside (WS) and landside (LS) ends. The pump house referenced in O&M manual is missing from the LS (2013). [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.31)].  
FS Date: 6/23/2020 2:35:00 PM

LM Start	1.29	Rating **	M	Issue No.	940 (cont)
LM End	1.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61927\_29862.jpg



Pipe visible and open on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_61927\_29861.jpg



Pipe open and visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

Photo 3 of 3 : UCIP\_FA\_2020\_61927\_29860.jpg



Pipe appears open on both ends. View from LS slope.

Photo 1 of 3 : SJR2019\_RD0524U01RM41.92\_04.JPG



9/24/2020: Overview of the erosion.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.30	Rating **	U	Issue No.	17 (cont)
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.931858 °	37.931858 °
				-121.328300 °	-121.328300 °
DWR ID	RD0524U01RM41.92				

Photo 2 of 3 : SJR2019\_RD0524U01RM41.92\_01.JPG



9/24/2020: View of the erosion near the upstream end.

LM Start	<b>1.30</b>	Rating **	U	Issue No.	<b>17 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2019\_RD0524U01RM41.92\_03.JPG



9/24/2020: Close-up view of the erosion.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.32	Rating **	M	Issue No.	941	
LM End	1.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.931592 °	37.931592 °	
				-121.328229 °	-121.328229 °	
DWR ID	20603					
Comment Code						
Inspector Comment						
DS_ID:20603 FS_ID:61928 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 2-inch galvanized iron pipe of unknown purpose through the levee, 4 feet below the crown. Pump on the landside (LS). Concrete pad and electrical equipment off the LS toe may be indicator of correct location. Pipe not found, 8/2013. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.38)]. FS Date: 6/23/2020 2:35:00 PM						

LM Start	1.32	Rating **	M	Issue No.	941 (cont)
LM End	1.32	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61928\_29892.jpg



Concrete pad and electrical panel off LS toe. Possible indicator of correct location.

Photo 2 of 3 : UCIP\_FA\_2020\_61928\_89312.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.32</b>	Rating **	M	Issue No.	<b>941 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.931592 °	37.931592 °	
			-121.328229 °	-121.328229 °	
DWR ID	20603				

Photo 3 of 3 : UCIP\_FA\_2020\_61928\_89313.jpg



Water-Side: view of WS slope.

LM Start	1.33	Rating **	M	Issue No.	28
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.931510 °	37.931510 °
				-121.328120 °	-121.328120 °
DWR ID	RD0524U01RM41.95				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.95					
09/24/2020: From 2018 to present, no significant changes were observed during the annual survey.					
09/13/2017: The erosion is located immediately upstream of a protected levee section.					

Photo 1 of 2 : SJR2019\_RD0524U01RM41.95\_01.JPG



9/24/2020: Front view of the erosion.

LM Start	<b>1.33</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM41.95\_5.JPG



8/13/2019: Close-up view of the erosion.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.39	Rating **	M	Issue No.	18
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.930575 °	37.930575 °
				-121.328090 °	-121.328090 °
DWR ID	RD0524U01RM42.03				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM42.03 09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. Dense vegetation is limiting the view. 08/07/2012: The site was first reported in 2012 spring levee inspection report. The site is located about 750 ft downstream of SR 4 Bridge.					

Photo 1 of 2 : SJR2019\_RD0524U01RM42.03\_02.JPG



9/24/2020: Dense vegetation is limiting the view of the erosion.

LM Start	1.39	Rating **	M	Issue No.	18 (cont)
LM End	1.39	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM42.03\_01.JPG



9/24/2020: Another view of the erosion site.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.45	Rating **	U	Issue No.	9
LM End	1.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.929623 °	37.929623 °
				-121.328366 °	-121.328366 °
DWR ID	RD0524U01RM42.09				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM42.09 09/24/2020: From 2014 to present, no significant changes were observed during the annual survey. The vegetation cover is only minimal. 08/13/2013: The site is located approximately 400 ft. downstream SR 4 Bridge. Dense vegetation is visible at the toe.					

Photo 1 of 2 : SJR2019\_RD0524U01RM42.09\_03.JPG



9/24/2020: Overview of the erosion.

LM Start	<b>1.45</b>	Rating **	U	Issue No.	<b>9 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM42.09\_02.JPG



9/24/2020: Close-up view of the erosion.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.48	Rating **	M	Issue No.	942
LM End	1.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.929277 °	37.929277 °
				-121.328394 °	-121.328394 °
DWR ID	24031				
Comment Code					
Inspector Comment					
DS_ID:24031 FS_ID:61929 EP_NO: 898 Repair Type: Non-Urgent EVAL Issue: Compliant Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record remains No Action Needed. No issues observed during inspection. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: Steel communications conduit of an unknown diameter through the levee, 1.5 feet below the crown. Telephone pole with conduit visible off landside (LS) toe. (Permit No. 898, 1942 - PT&T). FS Date: 6/23/2020 2:36:00 PM					

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>942 (cont)</b>
LM End	<b>1.48</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61929\_37105.jpg



Telephone pole off LS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_61929\_37104.jpg



Telephone pole off LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>942 (cont)</b>
LM End	<b>1.48</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.929277 °	37.929277 °	
			-121.328394 °	-121.328394 °	
DWR ID	24031				

Photo 3 of 3 : UCIP\_FA\_2020\_61929\_37103.jpg



Possible headwall for conduit at LS shoulder.

LM Start	1.49	Rating **	M	Issue No.	916
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.929118 °	37.929017 °
				-121.328368 °	-121.328367 °
DWR ID	DWR_RD0524_01_s_2012_916				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees and dense vegetation on landside toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_916\_20200901\_00118.jpg

View of tree that need to be trimmed and thinned on landside slope.  
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.54	Rating **	M	Issue No.	943	
LM End	1.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.928429 °		37.928429 °
				-121.328297 °		-121.328297 °
DWR ID	20605					
Comment Code						
Inspector Comment						
DS_ID:20605 FS_ID:61932 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record remains Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: Fiber optics cable crossing of an unknown material. USA marker flags over crown along alignment of gate. FS Date: 6/23/2020 2:37:00 PM						

LM Start	1.54	Rating **	M	Issue No.	943 (cont)
LM End	1.54	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61932\_29935.jpg



USAA markers along alignment at gate.

Photo 2 of 3 : UCIP\_FA\_2020\_61932\_29934.jpg



USAA markers along alignment at gate.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>943 (cont)</b>
LM End	<b>1.54</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.928429 °	37.928429 °	
			-121.328297 °	-121.328297 °	
DWR ID	20605				

Photo 3 of 3 : UCIP\_FA\_2020\_61932\_89326.jpg



Top of Levee: view of crown.

LM Start	<b>1.55</b>	Rating **	M	Issue No.	<b>944</b>
LM End	<b>1.55</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.928387 °	37.928387 °	
			-121.328281 °	-121.328281 °	
DWR ID	20644				

**Comment Code**

**Inspector Comment**

DS\_ID:20644  
 FS\_ID:61933  
 EP\_NO: 16937  
 Repair Type: Non-Urgent  
 EVAL Issue: Pipe Not Found  
 Crossing Status: Indicator Found  
 UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 16-inch high-density polyethylene communications conduit through the levee, 40 feet below the crown. Four 4.25-inch ducts sleeved through 16-inch conduit. Fiber optics flags found on alignment 2013. (Permit No. 16937, 1999 - Pacific Bell).  
 FS Date: 6/23/2020 2:37:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61933\_29933.jpg



USAA flags mark alignment off LS toe and on crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.55</b>	Rating **	M	Issue No.	<b>944 (cont)</b>
LM End	<b>1.55</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928387 °	37.928387 °
				-121.328281 °	-121.328281 °
DWR ID	20644				

Photo 2 of 3 : UCIP\_FA\_2020\_61933\_29932.jpg



USAA marker on crown.

LM Start	<b>1.55</b>	Rating **	M	Issue No.	<b>944 (cont)</b>
LM End	<b>1.55</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61933\_89329.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	945	
LM End	1.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.928271 °	37.928271 °	
				-121.328208 °	-121.328208 °	
DWR ID	20606					
Comment Code						
Inspector Comment						
DS_ID:20606 FS_ID:61934 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 6-inch pipe of an unknown material or purpose sticking up on crown with locked inspection cover. Could not locate, 8/20/2013. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 6/23/2020 2:37:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61934\_89332.jpg



Top of Levee: view of crown.

LM Start	1.55	Rating **	M	Issue No.	945 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_61934\_89333.jpg



Water-Side: view of WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.55</b>	Rating **	M	Issue No.	<b>945 (cont)</b>
LM End	<b>1.55</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.928271 °	37.928271 °	
			-121.328208 °	-121.328208 °	
DWR ID	20606				

Photo 3 of 3 : UCIP\_FA\_2020\_61934\_89334.jpg



Land-Side: view of LS slope.

LM Start	<b>1.56</b>	Rating **	M	Issue No.	<b>946</b>
LM End	<b>1.56</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.928270 °	37.928270 °	
			-121.328207 °	-121.328207 °	
DWR ID	20607				

**Comment Code**

**Inspector Comment**

DS\_ID:20607  
 FS\_ID:61935  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment, installed decades prior  
 Crossing Status: Found  
 UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. Crossing appears abandoned. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 2-inch pipe of an unknown material or purpose through the levee, 3.5 feet below the crown. Could not locate, 8/20/2013. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.57) abandoned].  
 FS Date: 6/23/2020 2:38:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61935\_89335.jpg



Top of Levee: view of crown and pvc pipe cap exposed.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.56	Rating **	M	Issue No.	946 (cont)	
LM End	1.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.928270 °	37.928270 °	
				-121.328207 °	-121.328207 °	
DWR ID	20607					

Photo 2 of 3 : UCIP\_FA\_2020\_61935\_89336.jpg



Water-Side: view of WS slope.

LM Start	<b>1.56</b>	Rating **	M	Issue No.	<b>946 (cont)</b>
LM End	<b>1.56</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61935\_89337.jpg



Land-Side: view of LS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.56	Rating **	U	Issue No.	1
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.927770 °	37.927770 °
				-121.327870 °	-121.327870 °
DWR ID	RD0524U01RM42.2				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM42.2

09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. Several erosion pockets and undermining of the levee toe visible.

08/07/2012: The site has been visited by boat survey. No significant change observed

08/23/2011: No significant change observed on site. Trees concerned still in place.

09/07/2010: No significant change observed on site. The concern here is the undermining of the levee toe where most of trees are. There are erosion pockets lined along the lower slope and at the base of the trees, exposing tree roots. There is minimal slope protection.

09/29/2009: The lower slope is lined with minor erosion pockets; some tree roots are exposed; there is visible undermining of the levee toe; site is immediately upstream of the Highway 4 Bridge; the bridge is possibly causing a scour to occur, eroding the bank.

LM Start	<b>1.56</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2019\_RD0524U01RM42.2\_02.JPG



9/24/2020: View of an erosion pocket between trees.

Photo 2 of 3 : SJR2019\_RD0524U01RM42.2\_05.JPG



9/24/2020: Visible undermining of the levee toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.56	Rating **	U	Issue No.	1 (cont)
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.927770 °	37.927770 °
				-121.327870 °	-121.327870 °
DWR ID	RD0524U01RM42.2				

Photo 3 of 3 : SJR2019\_RD0524U01RM42.2\_06.JPG



9/24/2020: Close-up view of the erosion.

LM Start	1.59	Rating **	M	Issue No.	947
LM End	1.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.927771 °	37.927771 °
				-121.327867 °	-121.327867 °
DWR ID	20608				

**Comment Code**

**Inspector Comment**

DS\_ID:20608  
 FS\_ID:61936  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Pipe Not Found  
 Crossing Status: Not Found  
 UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 6-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump on the waterside (WS). Open on the WS end. Rusting out on the landside (LS). Pipe exposed on the landside (LS) slope. Could not locate, 3/92. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.61)].  
 FS Date: 6/23/2020 2:38:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61936\_89340.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>947 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.927771 °	37.927771 °	
			-121.327867 °	-121.327867 °	
DWR ID	20608				

Photo 2 of 3 : UCIP\_FA\_2020\_61936\_89341.jpg



Land-Side: view of LS slope.

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>947 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61936\_89342.jpg



Water-Side: view of WS slope and no sign of pump.

LM Start	1.62	Rating **	M	Issue No.	187
LM End	1.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.927501 °	37.927501 °
				-121.327506 °	-121.327506 °
DWR ID	DWR_RD0524_01_f_2020_187				
Comment Code					
PR : Prunings					
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.67	Rating **	M	Issue No.	45
LM End	1.67	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.927018 °	37.927018 °
				-121.326872 °	-121.326872 °
DWR ID	DWR_RD0524_01_s_2012_45				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs and retaining wall.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_45\_20200901\_00022.jpg



Looking west at concrete stairs on waterside slope.

LM Start	1.67	Rating **	M	Issue No.	267
LM End	1.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.927014 °	37.927014 °
				-121.326858 °	-121.326858 °
DWR ID	DWR_RD0524_01_s_2020_267				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_267\_20200901\_00115.jpg



View of concrete stairs on landside slope. Spring 2020

LM Start	1.69	Rating **	C	Issue No.	27
LM End	1.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.926728 °	37.926730 °
				-121.326597 °	-121.326508 °
DWR ID	DWR_RD0524_01_s_2012_27				
Comment Code					
S1 : Repair slope instability.					
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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.70	Rating **	U	Issue No.	243
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.926704 °	37.926471 °
				-121.326462 °	-121.326175 °
DWR ID	DWR_RD0524_01_f_2017_243				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_243\_20200901\_00108.jpg



Looking southeast at the waterside slope.

LM Start	1.74	Rating **	M	Issue No.	266
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.926258 °	37.925968 °
				-121.326028 °	-121.325776 °
DWR ID	DWR_RD0524_01_s_2020_266				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.76	Rating **	C	Issue No.	46
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.925993 °	37.924875 °
				-121.325777 °	-121.324788 °
DWR ID	DWR_RD0524_01_s_2012_46				
Comment Code					
EQ : Equipment					
Inspector Comment					
Irrigation pipes stored at landward toe have been removed. Fall 2020					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.80	Rating **	M	Issue No.	948	
LM End	1.80	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.925480 °		37.925480 °
				-121.325358 °		-121.325358 °
DWR ID	24032					
Comment Code						
Inspector Comment						
DS_ID:24032 FS_ID:61937 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment Crossing Status: Found UCIP Comments: 06/23/2020 Record remains Non-Urgent. No permit has been found authorizing this pipe through the levee. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 12-inch wrapped steel irrigation pipe through the levee, at an unknown depth. Pump, butterfly valves, vent, and siphon breaker at concrete pad 50 feet off the landside (LS) toe. Siphon breaker in 14-inch concrete standpipe on the LS shoulder. FS Date: 6/23/2020 2:38:00 PM						

LM Start	<b>1.80</b>	Rating **	M	Issue No.	<b>948 (cont)</b>
LM End	<b>1.80</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61937\_37124.jpg



Pipe visible at lower left.

Photo 2 of 3 : UCIP\_FA\_2020\_61937\_37123.jpg



Pumping plant off LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.80</b>	Rating **	M	Issue No.	<b>948 (cont)</b>
LM End	<b>1.80</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.925480 °	37.925480 °	
			-121.325358 °	-121.325358 °	
DWR ID	24032				

Photo 3 of 3 : UCIP\_FA\_2020\_61937\_37122.jpg



Pumping plant with siphon breaker, vents, and butterfly valves.

LM Start	1.81	Rating **	U	Issue No.	148
LM End	1.81	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.925457 °	37.925457 °
				-121.325332 °	-121.325332 °
DWR ID	DWR_RD0524_01_f _ 2019_148				
Comment Code					
BU : Building					
Inspector Comment					
Pump house on waterside shoulder. Fall 2019					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_148\_20200901\_00061.jpg



View of pump house on waterside shoulder. Fall 2019

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	949	
LM End	1.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.925444 °	37.925444 °	
				-121.325332 °	-121.325332 °	
DWR ID	20662					
Comment Code						
Inspector Comment						
DS_ID:20662 FS_ID:61938 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.25-inch electrical conduit of an unknown material through the levee, 6 inches below the crown. Conduit visible at power pole on the landside (LS) toe and at corner of pump house on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.83), listed as a 14-inch pipe, 20 feet below the crown]. FS Date: 6/23/2020 2:39:00 PM						



Conduit visible at corner of pumphouse on WS shoulder.

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>949 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	



Overview of Levee: view of levee.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>949 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.925444 °	37.925444 °	
			-121.325332 °	-121.325332 °	
DWR ID	20662				

Photo 3 of 3 : UCIP\_FA\_2020\_61938\_89347.jpg



LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>950</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.925429 °	37.925429 °	
			-121.325323 °	-121.325323 °	
DWR ID	20609				

**Comment Code**

**Inspector Comment**

DS\_ID:20609  
 FS\_ID:61940  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment, installed decades prior  
 Crossing Status: Found  
 UCIP Comments: 06/23/2020 Record remains Non-Urgent.  
 Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
 Pipe appears abandoned and if so should be done so properly.  
 FIELD\_STRUCT\_DESC: 14-inch irrigation pipe of an unknown material through the levee, 20 feet below the crown. 2 pumps and gate valves discharge into surge tank in pump house on the waterside (WS) slope. Concrete distribution box removed from the WS slope. Abandoned 36-inch diameter concrete standpipe on the landside (LS) toe next to service pole. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.83)].  
 FS Date: 6/23/2020 2:39:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61940\_29962.jpg



Pipes and pumphouse on WS slope.

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

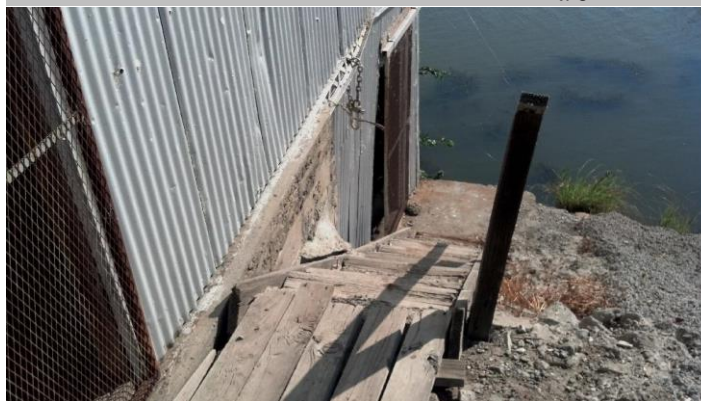
**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>950 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.925429 °	37.925429 °	
			-121.325323 °	-121.325323 °	
DWR ID	20609				

Photo 2 of 3 : UCIP\_FA\_2020\_61940\_29961.jpg



Steps to pump on WS slope.

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>950 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61940\_29960.jpg



Pipes at connection to concrete surge box on WS inside pumphouse.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	951	
LM End	1.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.925444 °	37.925444 °	
				-121.325332 °	-121.325332 °	
DWR ID	20661					
Comment Code						
Inspector Comment						
DS_ID:20661 FS_ID:61939 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.25-inch electrical conduit of an unknown material through the levee, 6 inches below the crown. Pole and meter at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.83), listed as a 14-inch pipe, 20 feet below the crown]. FS Date: 6/23/2020 2:39:00 PM						

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>951 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61939\_29974.jpg



Electrical conduit visible at corner of building on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2020\_61939\_29975.jpg



Conduit visible at power pole on LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>952 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.925431 °	37.925431 °	
			-121.325310 °	-121.325310 °	
DWR ID	24033				

Photo 2 of 3 : UCIP\_FA\_2020\_62131\_37120.jpg



Pipes visible on LS slope.

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>952 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62131\_89357.jpg



Overview of Levee: view of levee.

LM Start	1.90	Rating **	U	Issue No.	78
LM End	1.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.924364 °	37.923805 °
				-121.324473 °	-121.324238 °
DWR ID	DWR_RD0524_01_s_2012_78				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Unauthorized ice-plant on LS slope hinders ability to inspect landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_78\_20200901\_00037.jpg



Looking southwest at landscaping on landside slope. (Spring 2012)

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

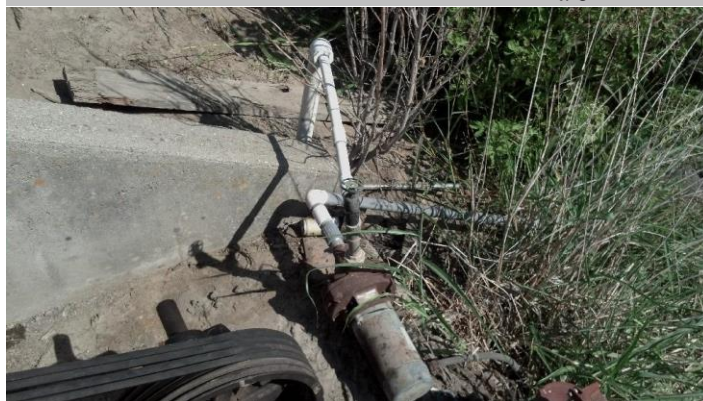
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.93	Rating **	M	Issue No.	246
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.923842 °	37.923842 °
				-121.324279 °	-121.324279 °
DWR ID	DWR_RD0524_01_f_2017_246				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.99	Rating **	M	Issue No.	953	
LM End	1.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.923022 °	37.923022 °	
				-121.323953 °	-121.323953 °	
DWR ID	24035					
Comment Code						
Inspector Comment						
DS_ID:24035						
FS_ID:61943						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 06/23/2020 Record remains Non-Urgent.						
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)						
No permit identified for this crossing.						
FIELD_STRUCT_DESC: 3-inch polyvinyl chloride domestic non-potable water line through the levee, at an unknown depth. Pump on concrete pad at the waterside (WS) toe.						
FS Date: 6/23/2020 2:40:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61943\_37128.jpg



Pump on concrete pad at WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.99</b>	Rating **	M	Issue No.	<b>953 (cont)</b>
LM End	<b>1.99</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.923022 °	37.923022 °
				-121.323953 °	-121.323953 °
DWR ID	24035				

Photo 2 of 3 : UCIP\_FA\_2020\_61943\_37127.jpg



PVC pipe visible on LS toe.

LM Start	<b>1.99</b>	Rating **	M	Issue No.	<b>953 (cont)</b>
LM End	<b>1.99</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61943\_37126.jpg



Pump and pipe visible on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	1.99	Rating **	M	Issue No.	954	
LM End	1.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.923017 °		37.923017 °
				-121.323943 °		-121.323943 °
DWR ID	24034					
Comment Code						
Inspector Comment						
DS_ID:24034 FS_ID:61944 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.25-inch electrical conduit of an unknown material through the levee, 2 inches below the crown. Pump on the waterside (WS) slope. Power pole and meter at the landside (LS) toe. FS Date: 6/23/2020 2:40:00 PM						

LM Start	<b>1.99</b>	Rating **	M	Issue No.	<b>954 (cont)</b>
LM End	<b>1.99</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61944\_37132.jpg



Galvanized iron electrical conduit visible on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2020\_61944\_37131.jpg



Conduit visible on pole at LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>1.99</b>	Rating **	M	Issue No.	<b>954 (cont)</b>
LM End	<b>1.99</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.923017 °	37.923017 °	
			-121.323943 °	-121.323943 °	
DWR ID	24034				

Photo 3 of 3 : UCIP\_FA\_2020\_61944\_37130.jpg



Conduit visible on pole at LS toe.

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>955</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922978 °	37.922978 °	
			-121.323907 °	-121.323907 °	
DWR ID	20610				

**Comment Code**

**Inspector Comment**

DS\_ID:20610  
FS\_ID:61942  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe through the levee, 10 feet below the crown. 8-inch polyvinyl chloride pipe sleeved through 10-inch pipe. Two concrete platforms for pump and pump house on the waterside (WS) slope. 5-foot by 10-foot concrete distribution box and 36-inch concrete standpipe at the landside (LS) toe. Power pole at the LS toe. Concrete filled tire stairs on both slopes. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.02)].  
FS Date: 6/23/2020 2:40:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61942\_29982.jpg



Concrete pad, pump, pipe, and butterfly valve on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>955 (cont)</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922978 °	37.922978 °	
			-121.323907 °	-121.323907 °	
DWR ID	20610				

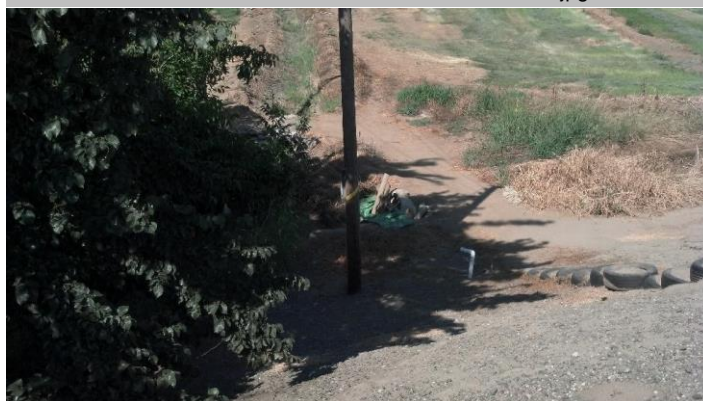
Photo 2 of 3 : UCIP\_FA\_2020\_61942\_29981.jpg



Concrete pad, pump, pipe, and butterfly valve on WS slope.

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>955 (cont)</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	

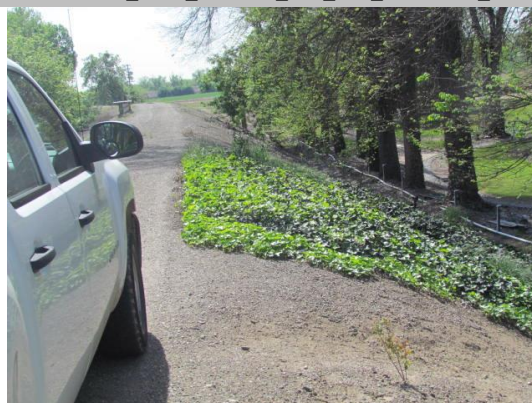
Photo 3 of 3 : UCIP\_FA\_2020\_61942\_29980.jpg



Power pole on LS toe. 5'X10' concrete distribution box and 36-inch concrete standpipe to left on LS toe.

LM Start	2.00	Rating **	U	Issue No.	106
LM End	2.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.922923 °	37.922519 °
				-121.323837 °	-121.323534 °
DWR ID	DWR_RD0524_01_s_2012_106				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_106\_20200901\_00050.jpg



Looking southwest at ground cover on landward slope.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.00	Rating **	M	Issue No.	185
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.922867 °	37.922486 °
				-121.323837 °	-121.323520 °
DWR ID	DWR_RD0524_01_f_2020_185				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	M	Issue No.	182
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.922837 °	37.922514 °
				-121.323785 °	-121.323504 °
DWR ID	DWR_RD0524_01_s_2014_182				
Comment Code					
DT : Ditch					
Inspector Comment					
Old irrigation ditch at the landside toe should be removed.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_182\_20200901\_00072.jpg



Looking northwest at an old irrigation ditch at landward 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.03	Rating **	M	Issue No.	956	
LM End	2.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.922535 °	37.922535 °	
				-121.323568 °	-121.323568 °	
DWR ID	24036					
Comment Code						
Inspector Comment						
DS_ID:24036 FS_ID:61945 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment Crossing Status: Found UCIP Comments: 06/23/2020 Record remains Non-Urgent. No permit has been found authorizing this pipe through the levee. Crossing appears abandoned. (D.Sanoski - DWR UCIP) Pipe abandoned and should be done so properly. Holes visible throughout exposed pipe. FIELD_STRUCT_DESC: 5-inch wrapped steel irrigation pipe through the levee, 6 feet below the crown. No pump or other appurtenances found. FS Date: 6/23/2020 2:41:00 PM						

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>956 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61945\_37134.jpg



Pipe visible on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_61945\_37133.jpg



Holes in pipe along exposed side of pipe at WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>956 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922535 °	37.922535 °	
			-121.323568 °	-121.323568 °	
DWR ID	24036				

Photo 3 of 3 : UCIP\_FA\_2020\_61945\_89369.jpg



Top of Levee: view of crown with pipe pipe out of slope on WS.

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>957</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922453 °	37.922453 °	
			-121.323500 °	-121.323500 °	
DWR ID	20611				

**Comment Code**

**Inspector Comment**

DS\_ID:20611  
FS\_ID:61946  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 6-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. 4.5-inch polyvinyl chloride irrigation pipe sleeved through 6-inch pipe. Pump on concrete slab on the waterside (WS) slope. 6-foot by 6-foot brick distribution box and power pole at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.06)].

FS Date: 6/23/2020 2:41:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61946\_30042.jpg



Pump and PVC on WS slope. Pump motor in shed on WS shoulder.

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

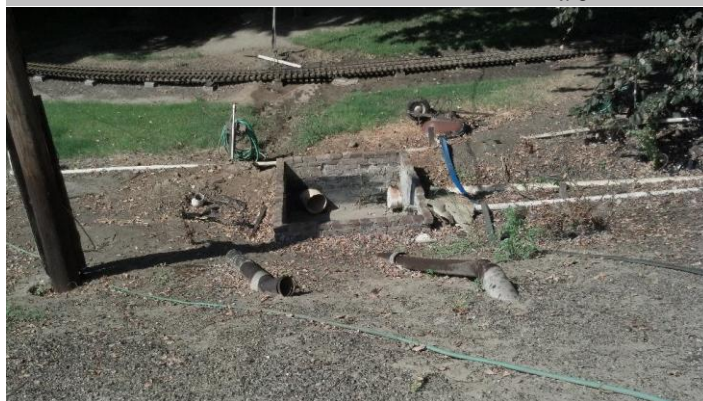
**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>957 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922453 °	37.922453 °	
			-121.323500 °	-121.323500 °	
DWR ID	20611				

Photo 2 of 3 : UCIP\_FA\_2020\_61946\_30041.jpg



pipe, power pole, and 6'X6' brick distribution box on LS toe.

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>957 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61946\_30040.jpg



Power pole and meter on LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

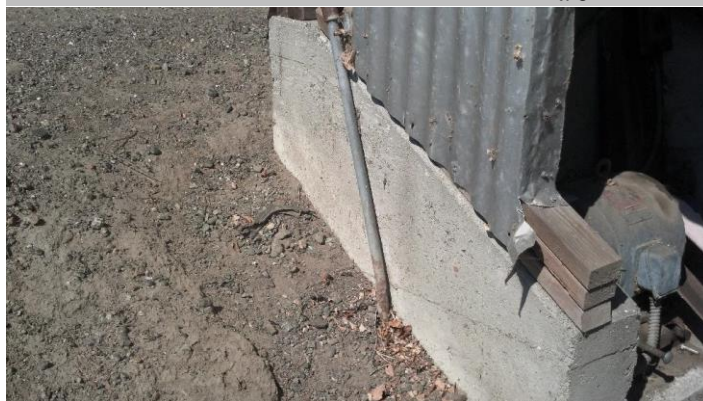
**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.04	Rating **	M	Issue No.	958	
LM End	2.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.922433 °	37.922433 °	
				-121.323481 °	-121.323481 °	
DWR ID	24037					
Comment Code						
Inspector Comment						
DS_ID:24037 FS_ID:61948 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1-inch galvanized iron electrical conduit through the levee, 3.5 feet below the crown. Pump motor on the waterside (WS) shoulder and a power pole and meter at the landside (LS) toe. FS Date: 6/23/2020 2:41:00 PM						

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>958 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61948\_37136.jpg



Conduit visible on WS slope at pumphouse.

Photo 2 of 3 : UCIP\_FA\_2020\_61948\_37135.jpg



Conduit visible on LS toe at powerpole.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>958 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922433 °	37.922433 °	
			-121.323481 °	-121.323481 °	
DWR ID	24037				

Photo 3 of 3 : UCIP\_FA\_2020\_61948\_89375.jpg



Top of Levee: view of crown.

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>959</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922080 °	37.922080 °	
			-121.323118 °	-121.323118 °	
DWR ID	24038				

**Comment Code**

**Inspector Comment**

DS\_ID:24038  
 FS\_ID:61949  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment, installed decades prior  
 Crossing Status: Found  
 UCIP Comments: 06/23/2020 Record remains Non-Urgent.  
 Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
 No permit identified for this crossing.  
 FIELD\_STRUCT\_DESC: 6-inch steel irrigation pipe through the levee, at an unknown depth. Vent, meter, butterfly valve, and pump at pump house on the waterside (WS) slope.  
 FS Date: 6/23/2020 2:42:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61949\_37142.jpg



Steel irrigation line visible in front of tank to right of powerpole off 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>959 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922080 °	37.922080 °	
			-121.323118 °	-121.323118 °	
DWR ID	24038				

Photo 2 of 3 : UCIP\_FA\_2020\_61949\_37141.jpg



Irrigation line visible on side of pumphouse.

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>959 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61949\_37140.jpg



Pump and butterfly valve inside pumphouse on WS berm.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.07	Rating **	M	Issue No.	960	
LM End	2.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.922080 °	37.922080 °	
				-121.323118 °	-121.323118 °	
DWR ID	24039					
Comment Code						
Inspector Comment						
DS_ID:24039 FS_ID:61950 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 3.5-inch polyvinyl chloride electrical conduit through the levee, at an unknown depth. Provides power for pump house on the waterside (WS) slope. Power pole on the landside (LS) toe. FS Date: 6/23/2020 2:42:00 PM						

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>960 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61950\_37139.jpg



Conduit visible at base of power pole off LS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_61950\_37138.jpg



Conduit visible at pumphouse on WS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>960 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922080 °	37.922080 °	
			-121.323118 °	-121.323118 °	
DWR ID	24039				



Conduit visible at base of power pole off LS toe.

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>961</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922064 °	37.922064 °	
			-121.323084 °	-121.323084 °	
DWR ID	20612				

**Comment Code**

**Inspector Comment**

DS\_ID:20612  
FS\_ID:61951  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. There was no hole next to standpipe present at time of inspection. (D.Sanoski - DWR UCIP)  
Soil excavated from cover over pipe on WS next to concrete riser. May indicate a leak or other problem.  
FIELD\_STRUCT\_DESC: 20-inch steel irrigation pipe through the levee, 15 feet below the crown. Pump in pump house on the waterside (WS) slope. Slide gate in 4-foot diameter concrete standpipe on the WS slope with secondary concrete standpipe. Polyvinyl chloride standpipe visible 350 feet off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.10)].  
FS Date: 6/23/2020 2:23:00 PM



Slide gate in concrete riser with secondary concrete riser in foreground.  
Pumphouse in background.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>961 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.922064 °	37.922064 °	
			-121.323084 °	-121.323084 °	
DWR ID	20612				

Photo 2 of 3 : UCIP\_FA\_2020\_61951\_30044.jpg



Pump and pipe inside pumphouse.

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>961 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61951\_30043.jpg



Hole over pipe next to 4-foot diameter concrete standpipe on WS slope.

LM Start	2.12	Rating **	M	Issue No.	247
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.921664 °	37.921664 °
				-121.322499 °	-121.322499 °
DWR ID	DWR_RD0524_01_f_2017_247				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner installed rubber tires for a stairway on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_247\_20200901\_00109.jpg



View of rubber tires being used as stairs on landside slope. Fall 2019

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.12	Rating **	M	Issue No.	962
LM End	2.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.921628 °	37.921628 °
				-121.322452 °	-121.322452 °
DWR ID	20613				

**Comment Code**

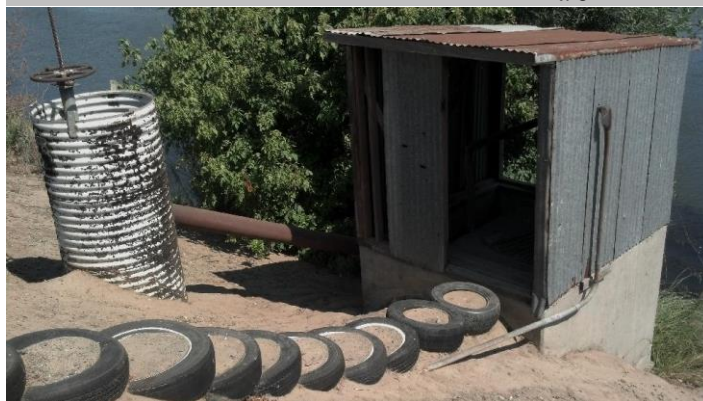
**Inspector Comment**

DS\_ID:20613  
FS\_ID:61952  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 14 feet below the crown. Pump in pump house on the waterside (WS) slope. Slide gate in 36-inch corrugated metal riser unit on the WS slope. 36-inch concrete riser unit off the landside (LS) toe. 1.75-inch galvanized iron electrical conduit at same location. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.15) 24-inch pipe listed].  
FS Date: 6/24/2020 2:22:00 PM

LM Start	<b>2.12</b>	Rating **	M	Issue No.	<b>962 (cont)</b>
LM End	<b>2.12</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61952\_37164.jpg



Slide gate in 36-inch CMP riser and Pumphouse on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_61952\_37163.jpg



36-inch concrete riser off LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.12</b>	Rating **	M	Issue No.	<b>962 (cont)</b>
LM End	<b>2.12</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.921628 °	37.921628 °	
			-121.322452 °	-121.322452 °	
DWR ID	20613				

Photo 3 of 3 : UCIP\_FA\_2020\_61952\_89389.jpg



Top of Levee: view of crown.

LM Start	2.17	Rating **	M	Issue No.	151
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.921138 °	37.921138 °
				-121.321668 °	-121.321668 °
DWR ID	DWR_RD0524_01_f_2019_151				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.27	Rating **	U	Issue No.	152
LM End	2.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.920357 °	37.920357 °
				-121.320257 °	-121.320257 °
DWR ID	DWR_RD0524_01_f_2019_152				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_152\_20200901\_00062.jpg



View of prunings on landside slope. Fall 2019

\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.27	Rating **	U	Issue No.	32
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920372 °	37.920167 °
				-121.320230 °	-121.319890 °
DWR ID	DWR_RD0524_01_s _ 2012_32				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry bushes on landside slope and toe.					

No Photos

LM Start	2.27	Rating **	M	Issue No.	184
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.920301 °	37.919036 °
				-121.320168 °	-121.319969 °
DWR ID	DWR_RD0524_01_s _ 2014_184				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.29	Rating **	U	Issue No.	256
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920223 °	37.920223 °
				-121.319986 °	-121.319986 °
DWR ID	DWR_RD0524_01_s _ 2020_256				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.30	Rating **	A/W	Issue No.	29
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.920150 °	37.920150 °
				-121.319700 °	-121.319700 °
DWR ID	RD0524U01RM42.9				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM42.9 09/24/2020: The repair is holding up well; no new erosion is visible. The repair is approximately 50 ft long and includes riprap covering the lower two thirds of the levee slope. The site will be removed from the erosion survey list in 2021. 08/13/2019: This erosion has been repaired. 09/13/2017: The erosion is located immediately upstream of a repaired levee section.					

Photo 1 of 1 : SJR2019\_RD0524U01RM42.9\_02.JPG



9/24/2020: View of the repaired erosion site.

LM Start	2.30	Rating **	M	Issue No.	254
LM End	2.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.920045 °	37.920045 °
				-121.319730 °	-121.319730 °
DWR ID	DWR_RD0524_01_s_2020_254				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.33	Rating **	A/W	Issue No.	133
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.919743 °	37.919743 °
				-121.319625 °	-121.319625 °
DWR ID	DWR_RD0524_01_s_2019_133				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
No rodents present but continue to monitor for future activity.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	164
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.919536 °	37.918880 °
				-121.319658 °	-121.320219 °
DWR ID	DWR_RD0524_01_f_2020_164				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.34	Rating **	M	Issue No.	162
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.919535 °	37.918878 °
				-121.319658 °	-121.320225 °
DWR ID	DWR_RD0524_01_f_2020_162				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.34	Rating **	M	Issue No.	253
LM End	2.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.919533 °	37.919533 °
				-121.319651 °	-121.319651 °
DWR ID	DWR_RD0524_01_s _ 2020_253				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_253\_20200901\_00111.jpg



View of downed tree on landside slope. Spring 2020

LM Start	2.36	Rating **	M	Issue No.	252
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.919244 °	37.919244 °
				-121.319767 °	-121.319767 °
DWR ID	DWR_RD0524_01_s _ 2020_252				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	U	Issue No.	250
LM End	2.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918796 °	37.918396 °
				-121.320367 °	-121.321429 °
DWR ID	DWR_RD0524_01_s _ 2020_250				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.48	Rating **	M	Issue No.	249
LM End	2.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918382 °	37.918382 °
				-121.321475 °	-121.321475 °
DWR ID	DWR_RD0524_01_f_2017_249				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.48	Rating **	M	Issue No.	248
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.918382 °	37.918289 °
				-121.321475 °	-121.321785 °
DWR ID	DWR_RD0524_01_s_2020_248				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.49	Rating **	U	Issue No.	37
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918345 °	37.918302 °
				-121.321765 °	-121.321923 °
DWR ID	DWR_RD0524_01_s_2012_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.50	Rating **	U	Issue No.	38
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918287 °	37.918287 °
				-121.321980 °	-121.321980 °
DWR ID	DWR_RD0524_01_s_2012_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.51	Rating **	U	Issue No.	160
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918212 °	37.918212 °
				-121.322107 °	-121.322107 °
DWR ID	DWR_RD0524_01_f _ 2020_160				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_160\_20201005\_00224.jpg



View of large rodent hole on landside slope. Fall 2020

LM Start	2.54	Rating **	U	Issue No.	40
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.917994 °	37.917373 °
				-121.322437 °	-121.322785 °
DWR ID	DWR_RD0524_01_s_2012_40				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.58	Rating **	M	Issue No.	7
LM End	2.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.917431 °	37.917431 °
				-121.322780 °	-121.322780 °
DWR ID	DWR_RD0524_01_f_2012_7				
Comment Code					
RA : Ramp					
Inspector Comment					
Ramp on landside providing access to land owner.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_7\_20200901\_00004.jpg



Looking southeast at unauthorized ramp on waterside slope.

LM Start	2.58	Rating **	M	Issue No.	963	
LM End	2.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.917365 °	37.917365 °	
				-121.322779 °	-121.322779 °	
DWR ID	24040					
Comment Code						
Inspector Comment						
DS_ID:24040 FS_ID:61955 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment Crossing Status: Found UCIP Comments: 06/24/2020 Record remains Non-Urgent. No permit has been found authorizing this pipe through the levee. Crossing appears abandoned. (D.Sanoski - DWR UCIP) Need to determine type of abandonment for pipe at this location. FIELD_STRUCT_DESC: *ABANDONED* Pump pad on the landside (LS) shoulder with 4-foot by 9-foot brick distribution box on the waterside (WS) slope. No pipe visible. 4-foot by 9-foot brick distribution box on the LS toe. FS Date: 6/24/2020 2:43:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61955\_37162.jpg



Foundation for pump with distribution box on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.58</b>	Rating **	M	Issue No.	<b>963 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917365 °	37.917365 °
				-121.322779 °	-121.322779 °
DWR ID	24040				

Photo 2 of 3 : UCIP\_FA\_2020\_61955\_37161.jpg



Distribution box on LS toe.

LM Start	<b>2.58</b>	Rating **	M	Issue No.	<b>963 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61955\_37160.jpg



Distribution box on LS toe.

LM Start	2.59	Rating **	M	Issue No.	244
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.917212 °	37.917120 °
				-121.322736 °	-121.322625 °
DWR ID	DWR_RD0524_01_s_2020_244				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.61	Rating **	M	Issue No.	242
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.917083 °	37.916826 °
				-121.322563 °	-121.322150 °
DWR ID	DWR_RD0524_01_s _ 2020_242				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.64	Rating **	U	Issue No.	43
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.916780 °	37.916780 °
				-121.322095 °	-121.322095 °
DWR ID	DWR_RD0524_01_s _ 2012_43				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on landside shoulder, slope, and toe.					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.68	Rating **	M	Issue No.	964	
LM End	2.68	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.916274 °	37.916274 °	
				-121.322055 °	-121.322055 °	
DWR ID	20615					
Comment Code						
Inspector Comment						
DS_ID:20615 FS_ID:61956 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 12 feet below the crown. Pump in pump house on pile structure in stream. Timber drive ramp to the pump house. 48-inch diameter concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.71)]. FS Date: 6/24/2020 2:43:00 PM						

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>964 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61956\_30145.jpg



Pump in pumphouse on wooden pier with wooden vehicle ramp.

Photo 2 of 3 : UCIP\_FA\_2020\_61956\_30144.jpg



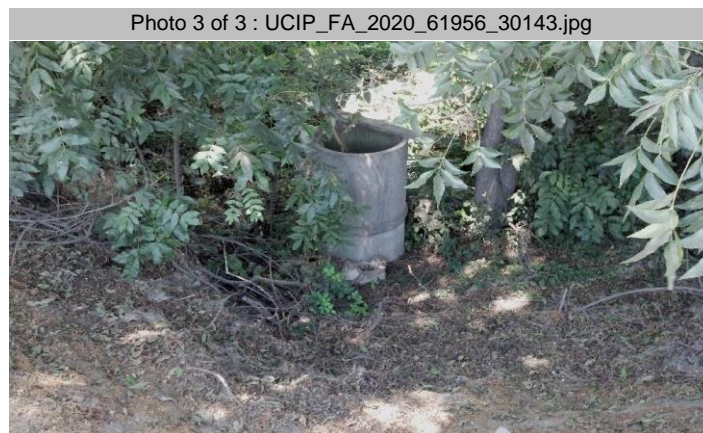
Gate valve on WS slope at wooden ramp.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>964 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.916274 °	37.916274 °
				-121.322055 °	-121.322055 °
DWR ID	20615				



48-inch concrete riser on LS toe.

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>965</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.916221 °	37.916221 °
				-121.322096 °	-121.322096 °
DWR ID	24041				



Conduit visible at base of power pole on LS slope.

Comment Code

Inspector Comment

DS\_ID:24041

FS ID:61957

EP\_NO: N/A

Repair Type: Non-Urgent

EVAL Issue: Unauthorized Encroachment, installed decades prior

Crossing Status: Found

UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 1.5-inch galvanized iron electrical conduit through the levee, 2 feet below the crown. Pump on pier with a power pole and meter on the landside (LS) toe.

FS Date: 6/24/2020 2:43:00 PM

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>965 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.916221 °	37.916221 °	
			-121.322096 °	-121.322096 °	
DWR ID	24041				

Photo 2 of 3 : UCIP\_FA\_2020\_61957\_37165.jpg



Conduit visible on WS shoulder.

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>965 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61957\_89406.jpg



Top of Levee: view of crown.

LM Start	2.69	Rating **	M	Issue No.	241
LM End	2.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916088 °	37.916088 °
				-121.322177 °	-121.322177 °
DWR ID	DWR_RD0524_01_s_2020_241				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.72	Rating **	M	Issue No.	264
LM End	2.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.915698 °	37.915304 °
				-121.322498 °	-121.322763 °
DWR ID	DWR_RD0524_01_s_2012_264				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees along landside slope and toe. Additionally, trim limbs overhanging crown road 12 feet above ground level.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_264\_20200901\_00113.jpg



Looking south at untrimmed trees on landward slope.

LM Start	2.73	Rating **	M	Issue No.	966	
LM End	2.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.915698 °	37.915698 °	
				-121.322501 °	-121.322501 °	
DWR ID	20616					
Comment Code						
Inspector Comment						
DS_ID:20616						
FS_ID:61958						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 06/24/2020 Record remains Non-Urgent.						
Unauthorized encroachment recorded in Levee Log prior to 2011.						
Crossing appears abandoned. (D.Sanoski - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 3-inch galvanized iron pipe						
of an unknown purpose through the levee, 0.3 feet below the crown.						
Valve on the landside (LS) shoulder. [Additional Reference(s): DWR						
Levee Log, 2004].						
FS Date: 6/24/2020 2:44:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61958\_30191.jpg



Pipe and vent visible on LS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.73</b>	Rating **	M	Issue No.	<b>966 (cont)</b>
LM End	<b>2.73</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.915698 °	37.915698 °	
			-121.322501 °	-121.322501 °	
DWR ID	20616				

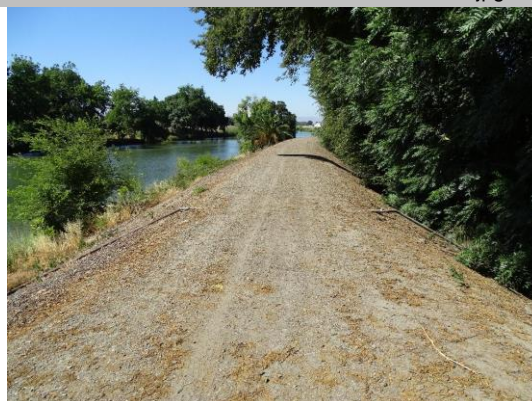
Photo 2 of 3 : UCIP\_FA\_2020\_61958\_30190.jpg



Pipe visible on WS slope.

LM Start	<b>2.73</b>	Rating **	M	Issue No.	<b>966 (cont)</b>
LM End	<b>2.73</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61958\_89409.jpg



Top of Levee: view of crown with pipes into levee on both sides of crown.

LM Start	2.73	Rating **	M	Issue No.	240
LM End	2.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.915660 °	37.915660 °
				-121.322513 °	-121.322513 °
DWR ID	DWR_RD0524_01_s_2020_240				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_240\_20200901\_00107.jpg

View of 4 inch pipe going through levee from landside to waterside.  
Spring 2020

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.75	Rating **	M	Issue No.	146
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.915358 °	37.915358 °
				-121.322768 °	-121.322768 °
DWR ID	DWR_RD0524_01_f_2018_146				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.77	Rating **	U	Issue No.	219
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.915195 °	37.915052 °
				-121.322930 °	-121.323430 °
DWR ID	DWR_RD0524_01_f _ 2016_219				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_219\_20200901\_00091.jpg



Looking south at several rodent holes on landward slope.

LM Start	2.80	Rating **	U	Issue No.	48
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915022 °	37.915022 °
				-121.323443 °	-121.323443 °
DWR ID	DWR_RD0524_01_s_2012_48				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

No Photos

Photo 1 of 1 : FA\_2020\_RD0524\_107\_237\_20200901\_00105.jpg



View of concrete stairs on waterside slope. Spring 2020

Photo 1 of 1 : FA\_2020\_RD0524\_107\_135\_20200901\_00057.jpg



View of stirrings made of concrete on landside slope. Spring 2020

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.85	Rating **	C	Issue No.	156
LM End	2.85	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.914509 °	37.914509 °
				-121.324165 °	-121.324165 °
DWR ID	DWR_RD0524_01_f_2019_156				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.86	Rating **	U	Issue No.	49
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.914427 °	37.914427 °
				-121.324198 °	-121.324198 °
DWR ID	DWR_RD0524_01_s_2012_49				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.87	Rating **	M	Issue No.	154
LM End	2.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.914305 °	37.914305 °
				-121.324290 °	-121.324290 °
DWR ID	DWR_RD0524_01_f_2020_154				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.88	Rating **	M	Issue No.	224
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.914153 °	37.914153 °
				-121.324351 °	-121.324351 °
DWR ID	DWR_RD0524_01_s_2020_224				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.91	Rating **	M	Issue No.	223
LM End	2.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.913745 °	37.913745 °
				-121.324404 °	-121.324404 °
DWR ID	DWR_RD0524_01_s_2020_223				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_223\_20200901\_00096.jpg



View of stairs cut into levee landside slope. Spring 2020

LM Start	2.91	Rating **	N	Issue No.	161
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.913733 °	37.913733 °
				-121.324398 °	-121.324398 °
DWR ID	DWR_RD0524_01_s_2017_161				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_161\_20200901\_00065.jpg




Looking east at large tree stump on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

Photo 1 of 1 : FA\_2020\_RD0524\_107\_51\_20200901\_00025.jpg



04\_30\_2020

View of trees that need to be trimmed and thinned on landside slope.  
Spring 2020

Photo 1 of 1 : FA\_2020\_RD0524\_107\_50\_20200901\_00024.jpg



Looking southwest at prunings on landside slope.

Photo 1 of 1 : FA\_2020\_RD0524\_107\_210\_20200901\_00086.jpg



Looking west at abandoned containers at landward toe.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  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 - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>967</b>
LM End	<b>2.95</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.913101 °	37.913101 °
				-121.324500 °	-121.324500 °
DWR ID	20617				

Comment Code

Inspector Comment

DS\_ID:20617  
FS\_ID:61959  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Indicator Found  
UCIP Comments: 06/24/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
Review crossing with inspector as records indicate that this should be an 8-inch pipe through levee 3.0 feet below crown, pump on landward side. Siphon breaker on the waterward slope. Originally included in the 1964 O&M manual.  
FIELD\_STRUCT\_DESC: 16-inch wrapped steel storm discharge pipe through the levee, 1.5 feet below the crown. Pump on steel pile structure at drainage canal off landside (LS) toe. [Additional Reference(s): USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.99) 9-inch pipe listed].  
FS Date: 6/24/2020 2:44:00 PM

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>967 (cont)</b>
LM End	<b>2.95</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61959\_30198.jpg



PVC wrapped pipe and siphon breaker visible on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_61959\_30197.jpg



Pipe, pump, power pole, and meter visible off LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	2.95	Rating **	M	Issue No.	967 (cont)
LM End	2.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.913101 °	37.913101 °
				-121.324500 °	-121.324500 °
DWR ID	20617				

Photo 3 of 3 : UCIP\_FA\_2020\_61959\_89412.jpg



Overview of Levee: view of crown with pipe through crown.

LM Start	2.96	Rating **	U	Issue No.	924
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.913023 °	37.911366 °
				-121.324507 °	-121.324901 °
DWR ID	DWR_RD0524_01_s_2012_924				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_924\_20200901\_00119.jpg



View of large rodent holes on landside slope. Fall 2019

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.11	Rating **	C	Issue No.	212
LM End	3.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.910876 °	37.908558 °
				-121.325181 °	-121.325394 °
DWR ID	DWR_RD0524_01_s_2016_212				
Comment Code					
DT : Ditch					
Inspector Comment					
Shallow drainage ditch at landside toe have been removed. Fall 2020					

No Photos

LM Start	3.12	Rating **	M	Issue No.	220
LM End	3.12	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.910786 °	37.910786 °
				-121.325243 °	-121.325243 °
DWR ID	DWR_RD0524_01_s_2020_220				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
Old retaining wall made of bricks on wateside slope in poor condition.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_220\_20200901\_00092.jpg



View of damaged retaining wall on waterside slope. Approximately 30 ft. long, 8 ft. high and 20 ft. from waterside hinge. Spring 2020

LM Start	3.18	Rating **	M	Issue No.	211
LM End	3.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.909945 °	37.909945 °
				-121.325543 °	-121.325543 °
DWR ID	DWR_RD0524_01_f_2020_211				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_211\_20200901\_00087.jpg



Looking northwest at unauthorized ramp on landward slope.

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.23	Rating **	M	Issue No.	229
LM End	3.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.909200 °	37.908200 °
				-121.325300 °	-121.325300 °
DWR ID	LMA-293				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
2017 Storm Damage Site ID 466, 528, 527, 467, Slope protection repairs are needed along the waterside slope due to erosion.					
Notes: Lower priority because damage is only on the lower 1/5 of slope.					

Photo 1 of 1 : LEVAL\_FA\_2020\_466\_2229.jpg



LM Start	3.29	Rating **	A/W	Issue No.	8
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.908036 °	37.908036 °
				-121.325397 °	-121.325397 °
DWR ID	RD0524U01RM43.86				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM43.86					
09/24/2020: No changes observed since the previous inspection. The site will be removed from the erosion survey list in 2021.					
08/13/2019: This erosion site has been repaired.					
09/13/2017: From 2014 to present, no significant changes were observed during the annual survey.					
08/13/2013: The levee toe seems to have been protected by river rocks and vegetation on site.					

Photo 1 of 2 : SJR2019\_RD0524U01RM43.86\_01.JPG



9/24/2020: View of the erosion with repaired section.

* 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 - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.29	Rating **	A/W	Issue No.	8 (cont)	
LM End	3.31	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.908036 °	37.908036 °	
				-121.325397 °	-121.325397 °	
DWR ID	RD0524U01RM43.86					

Photo 2 of 2 : SJR2019\_RD0524U01RM43.86\_03.JPG



9/24/2020: Close-up view of the erosion.

LM Start	3.31	Rating **	M	Issue No.	216
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.908007 °	37.907574 °
				-121.325428 °	-121.325440 °
DWR ID	DWR_RD0524_01_s_2020_216				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.32	Rating **	M	Issue No.	217
LM End	3.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.907853 °	37.907853 °
				-121.325446 °	-121.325446 °
DWR ID	DWR_RD0524_01_s_2020_217				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_217\_20200901\_00090.jpg



View of downed tree on landside slope. 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.34	Rating **	M	Issue No.	215
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.907563 °	37.907563 °
				-121.325439 °	-121.325439 °
DWR ID	DWR_RD0524_01_s _ 2020_215				
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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.35	Rating **	M	Issue No.	968
LM End	3.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.907504 °	37.907504 °
				-121.325420 °	-121.325420 °
DWR ID	20618				

**Comment Code**

**Inspector Comment**

DS\_ID:20618  
FS\_ID:61960  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record updated from Urgent to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
10/2/2018 Same as previous inspection with severe LS slope integrity issues (D. Sanoski - DWR UCIP).11/16/2016 same as previous inspection erosion is still present on LS toe and slope. Owner will need to coordinate with CVFPB to address erosion issue on LS toe. (O. Magana - DWR UCIP)08/20/2013 Extensive erosion on LS toe at distribution box due to failure of box/pipe connection. Erosion on LS slope do to recently repaired leak at gate valve. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 14-inch steel irrigation pipe through the levee, 7 feet below the crown. Pump house located on the waterside (WS) slope. Gate valve located on the landside (LS) slope. 4-foot by 4-foot brick distribution box, built in 1918, located on the LS toe. This site was used to manufacture brick back in 1918, and some of the appurtenances that remain are still in use (distribution box and ditch).  
[Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.38) 12-inch pipe listed, (conversation with owner, 2016)].  
FS Date: 6/24/2020 2:45:00 PM

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>968 (cont)</b>
LM End	<b>3.35</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61960\_30206.jpg



Pipe and pumphouse on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_61960\_30205.jpg



Pipe, gatevalve, and erosion on LS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>968 (cont)</b>
LM End	<b>3.35</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.907504 °	37.907504 °	
			-121.325420 °	-121.325420 °	
DWR ID	20618				



Extensive erosion around distribution box at LS toe.

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>969</b>
LM End	<b>3.35</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.907503 °	37.907503 °	
			-121.325420 °	-121.325420 °	
DWR ID	24042				

**Comment Code**

**Inspector Comment**

DS\_ID:24042  
FS\_ID:61961  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 1.5-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. Power pole on the landside (LS) toe. Pump house on the waterside (WS) shoulder.  
FS Date: 6/24/2020 2:45:00 PM



Electrical conduit visible at LS toe to left of distribution box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0524 Middle Roberts Island



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.39	Rating **	M	Issue No.	153
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.906935 °	37.906935 °
				-121.325310 °	-121.325310 °
DWR ID	DWR_RD0524_01_f_2020_153				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.43	Rating **	C	Issue No.	172
LM End	3.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.906429 °	37.906429 °
				-121.324924 °	-121.324924 °
DWR ID	DWR_RD0524_01_s_2018_172				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.44	Rating **	U	Issue No.	213
LM End	3.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.906258 °	37.906126 °
				-121.324735 °	-121.324532 °
DWR ID	DWR_RD0524_01_s_2020_213				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farming equipment being stored within the landside easement. Spring 2020					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_213\_20200901\_00089.jpg



View of stored farming equipment within the landside easement. Spring 2020

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.49	Rating **	M	Issue No.	163
LM End	3.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.905833 °	37.905833 °
				-121.324095 °	-121.324095 °
DWR ID	DWR_RD0524_01_s_2020_163				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.50	Rating **	M	Issue No.	150
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.905741 °	37.904438 °
				-121.323973 °	-121.324530 °
DWR ID	DWR_RD0524_01_f_2020_150				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.51	Rating **	M	Issue No.	265
LM End	3.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.905552 °	37.905552 °
				-121.323847 °	-121.323847 °
DWR ID	DWR_RD0524_01_s_2012_265				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_265\_20200901\_00114.jpg



Looking southeast at unauthorized ramp on landside slope and toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.53	Rating **	M	Issue No.	233
LM End	3.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.905300 °	37.905200 °
				-121.323800 °	-121.323900 °
DWR ID	LMA-432				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
2017 Storm Damage Site, ID No. 526, LMA-432, Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water.					

Photo 1 of 1 : LEVAL\_FA\_2020\_526\_4201.jpg



LM Start	3.56	Rating **	M	Issue No.	234
LM End	3.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.904900 °	37.904800 °
				-121.323900 °	-121.324100 °
DWR ID	LMA-431				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
2017 Storm Damage Site, ID No. 525, LMA-431,Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water.					

Photo 1 of 1 : LEVAL\_FA\_2020\_525\_4205.jpg



LM Start	3.61	Rating **	M	Issue No.	209
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.904426 °	37.903760 °
				-121.324582 °	-121.325364 °
DWR ID	DWR_RD0524_01_s_2020_209				
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 - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.62	Rating **	M	Issue No.	159
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.904329 °	37.904103 °
				-121.324726 °	-121.325056 °
DWR ID	DWR_RD0524_01_f_2019_159				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.65	Rating **	M	Issue No.	970	
LM End	3.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.904097 °	37.904097 °	
				-121.325081 °	-121.325081 °	
DWR ID	20619					
Comment Code						
Inspector Comment						
DS_ID:20619 FS_ID:61962 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 30-inch steel irrigation pipe through the levee, 26.5 feet below the crown. Pump on pile structure in the stream. Steel walkway to the pump on a pier. Slide gate in 66-inch corrugated metal riser unit on the waterside (WS) slope. 5-foot concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.69)]. FS Date: 6/24/2020 2:45:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61962\_30212.jpg



Pump on steel pier with slide gate in CMP riser on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.65	Rating **	M	Issue No.	970 (cont)
LM End	3.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.904097 °	37.904097 °
				-121.325081 °	-121.325081 °
DWR ID	20619				



Concrete standpipe off LS toe.

LM Start	<b>3.65</b>	Rating **	M	Issue No.	<b>970 (cont)</b>
LM End	<b>3.65</b>	Issue Type +	En	Location *	



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.65	Rating **	M	Issue No.	971	
LM End	3.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.904097 °		37.904097 °
				-121.325081 °		-121.325081 °
DWR ID	24043					
Comment Code						
Inspector Comment						
DS_ID:24043 FS_ID:61963 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.75-inch galvanized iron electrical conduit through the levee, 1 foot below the crown. Power pole on the landside (LS) toe and electrical box on the waterside (WS) slope. FS Date: 6/24/2020 2:46:00 PM						

LM Start	<b>3.65</b>	Rating **	M	Issue No.	<b>971 (cont)</b>
LM End	<b>3.65</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61963\_37170.jpg



Electrical conduit visible next to walkway at panel.

Photo 2 of 3 : UCIP\_FA\_2020\_61963\_37169.jpg



Electrical conduit visible off LS toe at power pole.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.65</b>	Rating **	M	Issue No.	<b>971 (cont)</b>
LM End	<b>3.65</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.904097 °	37.904097 °	
			-121.325081 °	-121.325081 °	
DWR ID	24043				

Photo 3 of 3 : UCIP\_FA\_2020\_61963\_89425.jpg



Top of Levee: view of crown.

LM Start	3.67	Rating **	U	Issue No.	251
LM End	3.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.903776 °	37.903513 °
				-121.325323 °	-121.325494 °
DWR ID	DWR_RD0524_01_f_2017_251				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on waterside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_251\_20200901\_00110.jpg



Looking northwest at the waterside slope.

LM Start	3.68	Rating **	M	Issue No.	149
LM End	3.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.903721 °	37.902930 °
				-121.325389 °	-121.326100 °
DWR ID	DWR_RD0524_01_f_2020_149				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.68	Rating **	U	Issue No.	206
LM End	3.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.903690 °	37.903690 °
				-121.325403 °	-121.325403 °
DWR ID	DWR_RD0524_01_s _ 2020_206				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_206\_20200901\_00085.jpg



View of large pruning pile on landside slope. Spring 2020

LM Start	3.76	Rating **	M	Issue No.	205
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.902776 °	37.902776 °
				-121.326224 °	-121.326224 °
DWR ID	DWR_RD0524_01_s _ 2020_205				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.76	Rating **	M	Issue No.	145
LM End	3.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.902708 °	37.902708 °
				-121.326292 °	-121.326292 °
DWR ID	DWR_RD0524_01_f _ 2020_145				
Comment Code					
PR : Prunings					
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	972	
LM End	3.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.902371 °	37.902371 °	
				-121.326440 °	-121.326440 °	
DWR ID	24044					
Comment Code						
Inspector Comment						
DS_ID:24044 FS_ID:61964 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 0 feet below the crown. Pipe integrated into steel cattle guard style crossing. Slant pump and butterfly valve at concrete foundation on the waterside (WS) slope. Filter plant, vents, and butterfly valves on the landside (LS) toe. FS Date: 6/24/2020 2:46:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61964\_38445.jpg



Pump and butterfly valve on concrete pad on WS shoulder.

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>972 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_61964\_38444.jpg



Vent on PVC pipe at WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>972 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.902371 °	37.902371 °	
			-121.326440 °	-121.326440 °	
DWR ID	24044				

Photo 3 of 3 : UCIP\_FA\_2020\_61964\_38443.jpg



Steel, integrated cattleguard style pipe crossing at crown elevation.

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>973</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.902361 °	37.902361 °	
			-121.326443 °	-121.326443 °	
DWR ID	20620				

**Comment Code**

**Inspector Comment**

DS\_ID:20620  
FS\_ID:61965  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)  
Appears abandoned and if so should be done so properly. Evidence of severe internal corrosion in concrete distribution box at LS toe.  
FIELD\_STRUCT\_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 10.5 feet below the crown. Pump and gate valve in pump house on the waterside (WS) slope. 6-foot by 6-foot Concrete distribution box on the landside (LS) toe. Two concrete cutoff walls.  
Service pole at the LS toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.83)].  
FS Date: 6/24/2020 2:46:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61965\_30528.jpg



Slant pump visible at concrete foundation on WS slope. Pumphouse removed.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>973 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.902361 °	37.902361 °	
			-121.326443 °	-121.326443 °	
DWR ID	20620				

Photo 2 of 3 : UCIP\_FA\_2020\_61965\_30527.jpg



Slant pump and pipe on WS slope.

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>973 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61965\_30526.jpg



6'X6' concrete distribution box and power pole on LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	974	
LM End	3.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.902343 °	37.902343 °	
				-121.326450 °	-121.326450 °	
DWR ID	24045					
Comment Code						
Inspector Comment						
DS_ID:24045 FS_ID:61966 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.25-inch polyvinyl chloride electrical conduit through the levee, at an unknown depth. Power pole and meter box on the landside (LS) toe. Electrical box inside concrete foundation on the waterside (WS) slope. FS Date: 6/24/2020 2:47:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61966\_38450.jpg



Electrical conduit visible at WS shoulder.

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>974 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_61966\_38449.jpg



Electrical conduit visible at LS toe power pole.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>974 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.902343 °	37.902343 °	
			-121.326450 °	-121.326450 °	
DWR ID	24045				

Photo 3 of 3 : UCIP\_FA\_2020\_61966\_89437.jpg



Top of Levee: view of crown.

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>975</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.902343 °	37.902343 °	
			-121.326450 °	-121.326450 °	
DWR ID	24046				

**Comment Code**

**Inspector Comment**

DS\_ID:24046  
FS\_ID:61967  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 2-inch galvanized iron electrical conduit through the levee, at an unknown depth below the crown. Power pole and meter box on the landside (LS) toe. Electrical box inside concrete foundation on the waterside (WS) slope.  
FS Date: 6/24/2020 2:47:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61967\_38448.jpg



Electrical conduit visible on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>975 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.902343 °	37.902343 °	
			-121.326450 °	-121.326450 °	
DWR ID	24046				

Photo 2 of 3 : UCIP\_FA\_2020\_61967\_38447.jpg



Electrical conduit visible on LS toe at power pole.

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>975 (cont)</b>
LM End	<b>3.79</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61967\_89440.jpg



Top of Levee: view of crown.

LM Start	3.79	Rating **	U	Issue No.	59
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.902287 °	37.902039 °
				-121.326462 °	-121.326526 °
DWR ID	DWR_RD0524_01_s_2012_59				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping on landward slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_59\_20200901\_00028.jpg



View of dense vegetation and landscaping that needs to be trimmed and thinned on landside slope. Spring 2020

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.79	Rating **	C	Issue No.	204
LM End	3.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.902265 °	37.902265 °
				-121.326502 °	-121.326502 °
DWR ID	DWR_RD0524_01_s _ 2020_204				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.83	Rating **	M	Issue No.	202
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.901790 °	37.901790 °
				-121.326538 °	-121.326538 °
DWR ID	DWR_RD0524_01_s _ 2020_202				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.86	Rating **	M	Issue No.	95
LM End	3.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.901354 °	37.899764 °
				-121.326483 °	-121.326589 °
DWR ID	DWR_RD0524_01_f _ 2013_95				
Comment Code					
EQ : Equipment					
Inspector Comment					
Landowner is storing equipment on landside shoulder and landside toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_95\_20201005\_00223.jpg



View of farm equipment stored on landside shoulder. Fall 2020

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.88	Rating **	M	Issue No.	144
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.901007 °	37.901007 °
				-121.326447 °	-121.326447 °
DWR ID	DWR_RD0524_01_f_2020_144				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.90	Rating **	M	Issue No.	976	
LM End	3.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.900778 °	37.900778 °	
				-121.326420 °	-121.326420 °	
DWR ID	20621					
Comment Code						
Inspector Comment						
DS_ID:20621 FS_ID:61968 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. Crossing appears abandoned. (D.Sanoski - DWR UCIP) Appears to be abandoned as signage has been removed. FIELD_STRUCT_DESC: 2.5-inch submarine telephone conduit of an unknown material through the levee and across the channel, 2 feet below the crown. Sign posts remain on both sides of the river on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 6/24/2020 2:47:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61968\_30543.jpg



Sign posts with sign removed on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>976 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.900778 °	37.900778 °	
			-121.326420 °	-121.326420 °	
DWR ID	20621				

Photo 2 of 3 : UCIP\_FA\_2020\_61968\_30542.jpg



Sign posts visible on opposite river bank in same condition.

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>976 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61968\_89443.jpg



Top of Levee: view of crown.

LM Start	3.90	Rating **	M	Issue No.	143
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.900701 °	37.900532 °
				-121.326439 °	-121.326445 °
DWR ID	DWR_RD0524_01_f _ 2020_143				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	3.94	Rating **	M	Issue No.	140
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.900096 °	37.899148 °
				-121.326516 °	-121.326921 °
DWR ID	DWR_RD0524_01_f _ 2020_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.98	Rating **	M	Issue No.	142
LM End	3.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.899567 °	37.899567 °
				-121.326703 °	-121.326703 °
DWR ID	DWR_RD0524_01_f_2020_142				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.02	Rating **	U	Issue No.	195
LM End	4.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.899093 °	37.899093 °
				-121.326933 °	-121.326933 °
DWR ID	DWR_RD0524_01_s_2015_195				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile blocking view of landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_195\_20200901\_00078.jpg



View of a large pruning pile on landside slope. Spring 2020

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.02	Rating **	U	Issue No.	101
LM End	4.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.899027 °	37.899027 °
				-121.326982 °	-121.326982 °
DWR ID	DWR_RD0524_01_s_2012_101				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp. Ramp does not meet Title 23 standard.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_101\_20200901\_00046.jpg



Looking west at unauthorized ramp on landside slope.

LM Start	4.04	Rating **	M	Issue No.	977	
LM End	4.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.898853 °	37.898853 °	
				-121.327049 °	-121.327049 °	
DWR ID	20623					
Comment Code						
Inspector Comment						
DS_ID:20623 FS_ID:61970 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 8-inch concrete encased steel irrigation pipe through the levee, 9.5 feet below the crown. Pump and gate valve in pump house on the waterside (WS) slope. Slide gate in 42-inch corrugated metal pipe riser unit on the WS slope. Brick standpipe at the toe of the landside (LS) slope. 1.5-inch galvanized iron electrical conduit through the levee, 3 feet below the crown at the same location. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.08)]. FS Date: 6/24/2020 2:48:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61970\_30559.jpg



Electrical conduit visible on WS slope at pumphouse.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.04</b>	Rating **	M	Issue No.	<b>977 (cont)</b>
LM End	<b>4.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.898853 °	37.898853 °	
			-121.327049 °	-121.327049 °	
DWR ID	20623				



Pumphouse and gate valve in CMP riser on WS slope.

LM Start	<b>4.04</b>	Rating **	M	Issue No.	<b>977 (cont)</b>
LM End	<b>4.04</b>	Issue Type +	En	Location *	



Pumphouse and gate valve in CMP riser on WS slope.

LM Start	4.04	Rating **	M	Issue No.	61
LM End	4.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.898861 °	37.898861 °
				-121.327071 °	-121.327071 °
DWR ID	DWR_RD0524_01_s_2012_61				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					



Looking east at untrimmed tree at landward toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.12	Rating **	M	Issue No.	136
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.897659 °	37.897659 °
				-121.327657 °	-121.327657 °
DWR ID	DWR_RD0524_01_f_2020_136				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.14	Rating **	C	Issue No.	137
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.897501 °	37.897501 °
				-121.327718 °	-121.327718 °
DWR ID	DWR_RD0524_01_s_2019_137				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.16	Rating **	M	Issue No.	978
LM End	4.16	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897186 °	37.897186 °
				-121.327874 °	-121.327874 °
DWR ID	20624				

**Comment Code**

**Inspector Comment**

DS\_ID:20624  
FS\_ID:61971  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 6 feet below the crown. Pump and gate valve on pile structure in the stream. 6-foot concrete standpipe on the landside (LS) toe. 1-inch galvanized iron electrical conduit at same location. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.20)].  
FS Date: 6/24/2020 2:49:00 PM

LM Start	<b>4.16</b>	Rating **	M	Issue No.	<b>978 (cont)</b>
LM End	<b>4.16</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61971\_30575.jpg



Pump on pile structure on WS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_61971\_30574.jpg



6-foot diameter concrete standpipe on LS toe with power pole.

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

## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.16</b>	Rating **	M	Issue No.	<b>978 (cont)</b>
LM End	<b>4.16</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897186 °	37.897186 °
				-121.327874 °	-121.327874 °
DWR ID	20624				

6-foot diameter concrete standpipe on LS toe with power pole.

LM Start	<b>4.16</b>	Rating **	M	Issue No.	<b>979</b>
LM End	<b>4.16</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897118 °	37.897118 °
				-121.327910 °	-121.327910 °
DWR ID	20625				

## Comment Code

## Inspector Comment

DS\_ID:20625  
FS\_ID:61972  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
Small leak on WS slope causing minor erosion on WS slope.  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Pump house and gate valve on the waterside (WS) slope. 36-inch concrete standpipe, power pole, and meter on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.21)].  
FS Date: 6/24/2020 2:49:00 PM

Concrete standpipe on LS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.16</b>	Rating **	M	Issue No.	<b>979 (cont)</b>
LM End	<b>4.16</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.897118 °	37.897118 °	
			-121.327910 °	-121.327910 °	
DWR ID	20625				

Photo 2 of 3 : UCIP\_FA\_2020\_61972\_30588.jpg



Vent or siphon breaker just off LS shoulder.

LM Start	<b>4.16</b>	Rating **	M	Issue No.	<b>979 (cont)</b>
LM End	<b>4.16</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61972\_30587.jpg



Pumphouse and pipe on WS slope.

LM Start	4.16	Rating **	M	Issue No.	110
LM End	4.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.897103 °	37.897103 °
				-121.327895 °	-121.327895 °
DWR ID	DWR_RD0524_01_s_2012_110				
Comment Code					
RA : Ramp					
Inspector Comment					
One unauthorized ramp on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_110\_20200901\_00051.jpg



View of an unauthorized ramp on landside slope. 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	980	
LM End	4.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.897097 °	37.897097 °	
				-121.327910 °	-121.327910 °	
DWR ID	24047					
Comment Code						
Inspector Comment						
DS_ID:24047 FS_ID:61973 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.25-inch galvanized iron electrical conduit through the levee, at an unknown depth. Power pole and meter box on the landside (LS) toe. Electrical box at pump house on the waterside (WS) slope. FS Date: 6/24/2020 2:49:00 PM						

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>980 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61973\_38818.jpg



Electrical conduit at pumphouse on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_61973\_38817.jpg



Power pole and meter on LS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>980 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.897097 °	37.897097 °	
			-121.327910 °	-121.327910 °	
DWR ID	24047				

Photo 3 of 3 : UCIP\_FA\_2020\_61973\_89458.jpg



Overview of Levee: view of crown and assembly on both sides.

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>981</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.897097 °	37.897097 °	
			-121.327910 °	-121.327910 °	
DWR ID	24048				

**Comment Code**

**Inspector Comment**

DS\_ID:24048  
FS\_ID:61975  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 2-inch polyvinyl chloride electrical conduit through the levee, at an unknown depth. Power pole and meter box on the landside (LS) toe. Pump on the waterside (WS) slope.  
FS Date: 6/24/2020 2:50:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61975\_37652.jpg



PVC electrical conduit visible on power pole at 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	981 (cont)	
LM End	4.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.897097 °	37.897097 °	
				-121.327910 °	-121.327910 °	
DWR ID	24048					

Photo 2 of 3 : UCIP\_FA\_2020\_61975\_37651.jpg



Electrical conduit visible at pumphouse on WS slope.

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>981 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61975\_89461.jpg



Overview of Levee: view of crown and assembly on both sides.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	982	
LM End	4.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.897074 °		37.897074 °
				-121.327926 °		-121.327926 °
DWR ID	24049					
Comment Code						
Inspector Comment						
DS_ID:24049 FS_ID:61978 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 2.25-inch polyvinyl chloride domestic water service line through the levee, 5 feet below the crown. Pump and tank on the waterside (WS) slope with a vent on the landside (LS) slope. FS Date: 6/24/2020 2:50:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61978\_37660.jpg



Pipe visible on LS slope.

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>982 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_61978\_37659.jpg



Pipe, pump, and tank visible on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.17</b>	Rating **	M	Issue No.	<b>982 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.897074 °	37.897074 °	
			-121.327926 °	-121.327926 °	
DWR ID	24049				

Photo 3 of 3 : UCIP\_FA\_2020\_61978\_89464.jpg



Top of Levee: view of crown.

LM Start	<b>4.37</b>	Rating **	M	Issue No.	<b>983</b>
LM End	<b>4.37</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.894453 °	37.894453 °	
			-121.329232 °	-121.329232 °	
DWR ID	20626				

**Comment Code**

**Inspector Comment**

DS\_ID:20626  
 FS\_ID:61983  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment, installed decades prior  
 Crossing Status: Found  
 UCIP Comments: 06/24/2020 Record remains Non-Urgent.  
 Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
 Small leak in pipe on LS slope and pipe slightly crushed on LS toe.  
 FIELD\_STRUCT\_DESC: 9-inch steel pipe of unknown purpose through the levee, 3 feet below the crown. Pump in drainage ditch on the landside (LS). Siphon breaker on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.42) 8-inch pipe listed].  
 FS Date: 6/24/2020 2:51:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_61983\_30594.jpg



Pipe and siphon breaker on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.37</b>	Rating **	M	Issue No.	<b>983 (cont)</b>
LM End	<b>4.37</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.894453 °	37.894453 °	
			-121.329232 °	-121.329232 °	
DWR ID	20626				

Photo 2 of 3 : UCIP\_FA\_2020\_61983\_30593.jpg



Small leak in pipe on LS slope.

LM Start	<b>4.37</b>	Rating **	M	Issue No.	<b>983 (cont)</b>
LM End	<b>4.37</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61983\_30592.jpg



Pipe partially crushed at LS toe.

LM Start	4.37	Rating **	M	Issue No.	255
LM End	4.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.894442 °	37.894442 °
				-121.329238 °	-121.329238 °
DWR ID	DWR_RD0524_01_f_2017_255				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes around gate stop post.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.38	Rating **	M	Issue No.	111
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.894258 °	37.894258 °
				-121.329247 °	-121.329247 °
DWR ID	DWR_RD0524_01_s_2012_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree at landside toe should be removed from levee toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_111\_20200901\_00052.jpg



Looking west at dead tree at landside toe.

LM Start	4.38	Rating **	U	Issue No.	165
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.894198 °	37.894198 °
				-121.329272 °	-121.329272 °
DWR ID	DWR_RD0524_01_s_2017_165				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_165\_20200901\_00066.jpg



View of multiple animal burrows on waterside slope. Spring 2020

LM Start	4.40	Rating **	M	Issue No.	196
LM End	4.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.893946 °	37.893946 °
				-121.329222 °	-121.329222 °
DWR ID	DWR_RD0524_01_s_2020_196				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.41	Rating **	M	Issue No.	132
LM End	4.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.893828 °	37.893555 °
				-121.329171 °	-121.329077 °
DWR ID	DWR_RD0524_01_f_2020_132				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.43	Rating **	M	Issue No.	199
LM End	4.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.893497 °	37.893497 °
				-121.329049 °	-121.329049 °
DWR ID	DWR_RD0524_01_f_2015_199				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_199\_20200901\_00081.jpg



View of prunings on landside slope. Spring 2020

LM Start	4.45	Rating **	U	Issue No.	139
LM End	4.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.893246 °	37.892579 °
				-121.328925 °	-121.328326 °
DWR ID	DWR_RD0524_01_s_2019_139				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_139\_20200901\_00058.jpg



View of large rodent holes on landside slope. Fall 2019

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.52	Rating **	M	Issue No.	130
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.892437 °	37.892437 °
				-121.328222 °	-121.328222 °
DWR ID	DWR_RD0524_01_f _ 2020_130				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.52	Rating **	M	Issue No.	192
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.892383 °	37.891590 °
				-121.328194 °	-121.328512 °
DWR ID	DWR_RD0524_01_s _ 2020_192				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.53	Rating **	A/W	Issue No.	13
LM End	4.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.892274 °	37.892274 °
				-121.328168 °	-121.328168 °
DWR ID	RD0524U01RM45.07				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM45.07					
09/24/2020: The site is being repaired. The repair is approximately 150 ft long.					
08/13/2019: From 2013 to present, no significant changes were observed during the annual survey.					
08/07/2012: The erosion is located at the inside of a river bend. Site is covered with broken concrete blocks and other debris.					

LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2019\_RD0524U01RM45.07\_01.JPG



9/24/2020: Upstream end of the erosion repair.

Photo 2 of 3 : SJR2019\_RD0524U01RM45.07\_02.JPG



9/24/2020: View of the ongoing erosion repair with fill, fabric, and riprap visible.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.892274 °	37.892274 °	
			-121.328168 °	-121.328168 °	
DWR ID	RD0524U01RM45.07				

Photo 3 of 3 : SJR2019\_RD0524U01RM45.07\_04.JPG



9/24/2020: Downstream end of the erosion repair.

LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>30</b>
LM End	<b>4.53</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.892230 °	37.892200 °	
			-121.327930 °	-121.328000 °	
DWR ID	LMA-295				

**Comment Code**

**Inspector Comment**

Planned For Repair.

Levee Evaluation Comments

Description: Slope protection repairs are needed along the waterside slope due to erosion. Based upon levee inspections, it was determined the waterside levee slopes were eroding, deteriorating and degrading in concave pocket sections at various locations along this levee reach. The eroded levee sections need to be restored back to design standards to prevent further deterioration of the damaged levee sections.

Site ID No: 468

Site Designation: LMA-295

Repair Type: Erosion

Rating: Serious

Field Date: 7/26/2017

Notes: Serious because erosion is impacting the levee, but there is some slope protection here. Slope is armored with asphalt and concrete rubble. The surrounding slopes are pretty barren, but there is a small bush within the site so it may be older.

Photo 1 of 3 : LEVAL\_FA\_2020\_468\_2219.jpg



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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.53	Rating **	A/W	Issue No.	30 (cont)
LM End	4.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.892230 °	37.892200 °
				-121.327930 °	-121.328000 °
DWR ID	LMA-295				

Photo 2 of 3 : LEVAL\_FA\_2020\_468\_2220.jpg



LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>4.53</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL\_FA\_2020\_468\_2221.jpg



LM Start	4.60	Rating **	M	Issue No.	66
LM End	4.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.891365 °	37.891365 °
				-121.328633 °	-121.328633 °
DWR ID	DWR_RD0524_01_s_2020_66				
Comment Code					
EQ : Equipment					
Inspector Comment					
Old farm equipment at landside toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_66\_20200901\_00032.jpg



Farm equipment being stored on landward 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.61	Rating **	M	Issue No.	191
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.891300 °	37.890999 °
				-121.328751 °	-121.328983 °
DWR ID	DWR_RD0524_01_s_2020_191				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.61	Rating **	U	Issue No.	124
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.891298 °	37.891061 °
				-121.328750 °	-121.328938 °
DWR ID	DWR_RD0524_01_f _ 2020_124				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_124\_20201005\_00222.jpg



View of multiple large rodent holes on landside slope. Fall 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.68</b>	Rating **	M	Issue No.	<b>984</b>
LM End	<b>4.68</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.890313 °	37.890313 °	
			-121.329405 °	-121.329405 °	
DWR ID	20646				

**Comment Code**

**Inspector Comment**

DS\_ID:20646  
FS\_ID:61991  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/24/2020 Record remains Non-Urgent. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
Good candidate for video inspection as brick and mortar deteriorating inside tunnel.  
FIELD\_STRUCT\_DESC: 22-inch concrete irrigation pipe through the levee, 12 feet below the crown. Pump on pier at the waterside (WS) toe. 16-inch pipe from pump discharges into a concrete riser unit inside the pump house on the WS shoulder. Brick and mortar channel on the landside (LS) toe. [Additional Reference(s): USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.73) 14-inch pipe listed].  
FS Date: 6/24/2020 2:51:00 PM

LM Start	<b>4.68</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>4.68</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_61991\_30603.jpg



Brick and mortar channel on LS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_61991\_30602.jpg



Pump on pier and slide gate house on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>4.68</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>4.68</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.890313 °	37.890313 °	
			-121.329405 °	-121.329405 °	
DWR ID	20646				

Photo 3 of 3 : UCIP\_FA\_2020\_61991\_30601.jpg



Slide gate inside concrete riser within shed on WS shoulder.

LM Start	4.68	Rating **	M	Issue No.	116
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.890314 °	37.890314 °
				-121.329444 °	-121.329444 °
DWR ID	DWR_RD0524_01_f_2020_116				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.68	Rating **	M	Issue No.	102
LM End	4.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.890305 °	37.890305 °
				-121.329449 °	-121.329449 °
DWR ID	DWR_RD0524_01_f_2020_102				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.70	Rating **	M	Issue No.	99
LM End	4.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.890114 °	37.890114 °
				-121.329540 °	-121.329540 °
DWR ID	DWR_RD0524_01_f _ 2020_99				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
There is a fig tree on the levee slope.					

No Photos

LM Start	4.70	Rating **	U	Issue No.	189
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.890041 °	37.889395 °
				-121.329565 °	-121.329839 °
DWR ID	DWR_RD0524_01_s_2020_189				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_189\_20200901\_00074.jpg



View of multiple large animal burrows on the landside slope. Spring 2020

LM Start	4.75	Rating **	M	Issue No.	166
LM End	4.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.889417 °	37.887686 °
				-121.329833 °	-121.331090 °
DWR ID	DWR_RD0524_01_f_2019_166				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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 - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.76	Rating **	M	Issue No.	236
LM End	4.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.889300 °	37.889300 °
				-121.329800 °	-121.329800 °
DWR ID	DWR_RD0524_01_s_2020_236				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
2017 Storm Damage Site, ID No. 523, LMA-429, Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water.					

Photo 1 of 1 : LEVAL\_FA\_2020\_523\_4217.jpg



LM Start	4.86	Rating **	M	Issue No.	94
LM End	4.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.887942 °	37.887942 °
				-121.330656 °	-121.330656 °
DWR ID	DWR_RD0524_01_f _ 2020_94				
Comment Code					
Inspector Comment					
Gates require maintenance in order to properly open, close and lock.					

No Photos

LM Start	4.91	Rating **	M	Issue No.	84
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.887564 °	37.887184 °
				-121.331259 °	-121.331697 °
DWR ID	DWR_RD0524_01_s_2012_84				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_84\_20200901\_00040.jpg



View of trees that need to be trimmed on landside slope. 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 - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	4.92	Rating **	M	Issue No.	93
LM End	4.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.887477 °	37.887477 °
				-121.331406 °	-121.331406 °
DWR ID	DWR_RD0524_01_f_2020_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.94	Rating **	M	Issue No.	183
LM End	4.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.887182 °	37.887182 °
				-121.331693 °	-121.331693 °
DWR ID	DWR_RD0524_01_s_2020_183				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.96	Rating **	U	Issue No.	114
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.886948 °	37.886672 °
				-121.331834 °	-121.331962 °
DWR ID	DWR_RD0524_01_s_2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on landside slope.					

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.01	Rating **	M	Issue No.	180
LM End	5.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.886289 °	37.886289 °
				-121.332081 °	-121.332081 °
DWR ID	DWR_RD0524_01_s _ 2020_180				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.01	Rating **	M	Issue No.	985	
LM End	5.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.886221 °	37.886221 °	
				-121.332063 °	-121.332063 °	
DWR ID	20647					
Comment Code						
Inspector Comment						
DS_ID:20647 FS_ID:61998 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)						
FIELD_STRUCT_DESC: 5-inch pipe of an unknown or purpose material through the levee, 3 feet below the crown. Pump house on the landside (LS). [Additional Reference(s): USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.07)]. FS Date: 6/24/2020 2:52:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_61998\_89476.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>985 (cont)</b>
LM End	<b>5.01</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.886221 °	37.886221 °
				-121.332063 °	-121.332063 °
DWR ID	20647				

Photo 2 of 3 : UCIP\_FA\_2020\_61998\_89477.jpg



Water-Side: view of WS slope.

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>985 (cont)</b>
LM End	<b>5.01</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_61998\_89478.jpg



Land-Side: view of LS slope.

LM Start	5.03	Rating **	U	Issue No.	177
LM End	5.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.885981 °	37.885641 °
				-121.332130 °	-121.332162 °
DWR ID	DWR_RD0524_01_s_2020_177				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.06	Rating **	U	Issue No.	188
LM End	5.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.885565 °	37.885280 °
				-121.332165 °	-121.332183 °
DWR ID	DWR_RD0524_01_s_2014_188				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Walnut trees on landside slope and toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_188\_20201005\_00221.jpg



View of large untrimmed walnut trees on landside slope. Fall 2020

LM Start	5.10	Rating **	M	Issue No.	176
LM End	5.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.884979 °	37.884671 °
				-121.332212 °	-121.332185 °
DWR ID	DWR_RD0524_01_s_2020_176				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.13	Rating **	M	Issue No.	174
LM End	5.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.884530 °	37.884530 °
				-121.332181 °	-121.332181 °
DWR ID	DWR_RD0524_01_s_2020_174				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.14	Rating **	U	Issue No.	173
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.884393 °	37.884112 °
				-121.332159 °	-121.332127 °
DWR ID	DWR_RD0524_01_s _ 2020_173				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.17	Rating **	M	Issue No.	171
LM End	5.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.883953 °	37.883953 °
				-121.332138 °	-121.332138 °
DWR ID	DWR_RD0524_01_s _ 2020_171				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim walnut trees on the levee slope.					

No Photos

LM Start	5.17	Rating **	M	Issue No.	170
LM End	5.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.883916 °	37.882357 °
				-121.332146 °	-121.332612 °
DWR ID	DWR_RD0524_01_s _ 2020_170				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.19	Rating **	M	Issue No.	115
LM End	5.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.883587 °	37.883587 °
				-121.332100 °	-121.332100 °
DWR ID	DWR_RD0524_01_s_2012_115				
Comment Code					
RA : Ramp					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_115\_20200901\_00053.jpg



Looking northwest at slope damage on landward slope.

LM Start	5.20	Rating **	M	Issue No.	986	
LM End	5.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.883453 °	37.883453 °	
				-121.332120 °	-121.332120 °	
DWR ID	20629					
Comment Code						
Inspector Comment						
DS_ID:20629 FS_ID:62002 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 14-inch irrigation pipe of an unknown material through the levee, 15 feet below the crown. Pump house foundation on the waterside (WS) slope. 11-foot by 12-foot concrete sump on the WS shoulder. 4-foot diameter concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.26)]. FS Date: 6/24/2020 2:52:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_62002\_30682.jpg



4-foot diameter concrete standpipe on LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.20</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>5.20</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.883453 °	37.883453 °	
			-121.332120 °	-121.332120 °	
DWR ID	20629				

Photo 2 of 3 : UCIP\_FA\_2020\_62002\_30681.jpg



Slant pump on concrete foundation on WS slope.

LM Start	<b>5.20</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>5.20</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62002\_30680.jpg



Slant pump on concrete foundation on WS slope.

LM Start	5.21	Rating **	M	Issue No.	92
LM End	5.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.883401 °	37.883401 °
				-121.332152 °	-121.332152 °
DWR ID	DWR_RD0524_01_f_2020_92				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.28	Rating **	U	Issue No.	91
LM End	5.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.882380 °	37.881737 °
				-121.332605 °	-121.332772 °
DWR ID	DWR_RD0524_01_f _ 2020_91				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim walnut trees on the levee slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_91\_20201005\_00220.jpg



View of large untrimmed walnut trees on landside slope. Fall 2020

LM Start	5.34	Rating **	N	Issue No.	90
LM End	5.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.881557 °	37.881557 °
				-121.332807 °	-121.332807 °
DWR ID	DWR_RD0524_01_f_2020_90				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.36	Rating **	N	Issue No.	89
LM End	5.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.881172 °	37.881172 °
				-121.332842 °	-121.332842 °
DWR ID	DWR_RD0524_01_f_2020_89				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.38	Rating **	U	Issue No.	932
LM End	5.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.880945 °	37.880522 °
				-121.332837 °	-121.332918 °
DWR ID	DWR_RD0524_01_s_2012_932				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim walnut trees on the levee slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_932\_20201005\_00219.jpg



View of large untrimmed walnut trees on landside slope. Fall 2020

LM Start	5.40	Rating **	M	Issue No.	178
LM End	5.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.880719 °	37.880719 °
				-121.332899 °	-121.332899 °
DWR ID	DWR_RD0524_01_f_2014_178				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on landside toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_178\_20200901\_00069.jpg



Looking south at downed tree on landward slope.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	987
LM End	5.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.880584 °	37.880584 °
				-121.332901 °	-121.332901 °
DWR ID	20630				
Comment Code					
Inspector Comment					
DS_ID:20630 FS_ID:62007 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from Urgent to Non-Urgent. Pipe damage visible on WS. Limited inspection on LS due to overgrown vegetation. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP) 10/2/2018 Same as last inspection. Holes present in pipe pose a potential threat to levee's internal integrity. Recommend video inspection (D. Sanoski - DWR UCIP).11/16/2016 same as previous inspection hole in pipe is still present on WS near toe. This pipe does not appear to be in use. Need to contact owner to determine status of crossing. If the crossing is abandoned or still in use, owner will need to coordinate with the CVFPB to comply with Title 23 requirements. (O. Magana - DWR UCIP)08/23/2013 flap gate damage and does not work at WS toe. Large hole in pipe at WS toe. Pipe appears abandoned and should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 12-inch steel irrigation pipe through the levee, 6 feet below the crown. Pump located on the waterside (WS), no pump found in 2013. Flap gate located on the WS end. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.48) 10-inch pipe listed, Drawing No. 07-04-1490, Sheet 1490/4, (Station 8+01.3)]. FS Date: 6/24/2020 2:53:00 PM					

Photo 1 of 3 : UCIP\_FA\_2020\_62007\_30689.jpg



Pipe visible on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.880584 °	37.880584 °	
			-121.332901 °	-121.332901 °	
DWR ID	20630				

Photo 2 of 3 : UCIP\_FA\_2020\_62007\_30688.jpg



Vent on pipe on WS slope. Possible slurry standpipe that has not yet been used.

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62007\_30687.jpg



Broken flap gate at WS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	988
LM End	5.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880544 °	37.880544 °
				-121.332904 °	-121.332904 °
DWR ID	20659				

**Comment Code**

**Inspector Comment**

DS\_ID:20659  
FS\_ID:62011  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Limited Inspection/No UCIP Evaluation  
Crossing Status: Not Found  
UCIP Comments: 06/24/2020 Record updated from No Action Needed to Non-Urgent. Limited inspection on LS due to overgrown vegetation. Crossing not found. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*REMOVED\* 2 of 2: 10-inch steel drainage pipe through the levee, 6 feet below the crown. Pump on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.48)].  
FS Date: 6/24/2020 2:24:00 PM

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>988 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62011\_89484.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP\_FA\_2020\_62011\_89485.jpg



Water-Side: view of WS slope with no sign of pipe.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>988 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.880544 °	37.880544 °	
			-121.332904 °	-121.332904 °	
DWR ID	20659				

Photo 3 of 3 : UCIP\_FA\_2020\_62011\_89486.jpg



Land-Side: view of LS slope with overgrown vegetation limiting inspection.

LM Start	5.41	Rating **	C	Issue No.	269
LM End	5.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.880468 °	37.880468 °
				-121.332909 °	-121.332909 °
DWR ID	DWR_RD0524_01_f_2017_269				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete pipe debris have been removed. Fall 2020					

No Photos

LM Start	5.42	Rating **	M	Issue No.	86
LM End	5.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.880423 °	37.880423 °
				-121.332965 °	-121.332965 °
DWR ID	DWR_RD0524_01_f_2020_86				
Comment Code					
FW : Firewood					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.42	Rating **	M	Issue No.	989	
LM End	5.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.880358 °	37.880358 °	
				-121.332972 °	-121.332972 °	
DWR ID	24050					
Comment Code						
Inspector Comment						
DS_ID:24050 FS_ID:62013 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Limited inspection on LS due to overgrown vegetation. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 6 feet below the crown. Pipe sleeved through existing 10-inch pipe at same location. FS Date: 6/25/2020 2:24:00 PM						

LM Start	<b>5.42</b>	Rating **	M	Issue No.	<b>989 (cont)</b>
LM End	<b>5.42</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62013\_37666.jpg



Pipe and vent on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_62013\_37665.jpg



Pipe visible on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.42	Rating **	M	Issue No.	989 (cont)	
LM End	5.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.880358 °	37.880358 °	
				-121.332972 °	-121.332972 °	
DWR ID	24050					

Photo 3 of 3 : UCIP\_FA\_2020\_62013\_89487.jpg



Top of Levee: view of crown.

LM Start	5.42	Rating **	M	Issue No.	83
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.880355 °	37.880355 °
				-121.332986 °	-121.332986 °
DWR ID	DWR_RD0524_01_f_2020_83				
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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.42	Rating **	M	Issue No.	990	
LM End	5.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.880358 °	37.880358 °	
				-121.332972 °	-121.332972 °	
DWR ID	20631					
Comment Code						
Inspector Comment						
DS_ID:20631 FS_ID:62014 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 06/25/2020 Record remains Non-Urgent. Limited inspection on LS due to overgrown vegetation. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Recommend combining this DSID with 24050 due to same location and 8-inch pipe sleeved through this 10-inch pipe. (D.Sanoski - DWR UCIP) Recent work being done on WS slope. Pipe may still be in use. FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 6 feet below the crown. Pump not found on the landside (LS). [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.50)]. FS Date: 6/25/2020 2:53:00 PM						

LM Start	<b>5.42</b>	Rating **	M	Issue No.	<b>990 (cont)</b>
LM End	<b>5.42</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62014\_30706.jpg



10-inch pipe debris on the WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_62014\_30705.jpg



8-inch pipe sleeved through 10-inch pipe with vent on WS slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.42</b>	Rating **	M	Issue No.	<b>990 (cont)</b>
LM End	<b>5.42</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.880358 °	37.880358 °	
			-121.332972 °	-121.332972 °	
DWR ID	20631				

Photo 3 of 3 : UCIP\_FA\_2020\_62014\_30704.jpg



No flap gate on end of pipe at WS toe.

LM Start	5.43	Rating **	U	Issue No.	73
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.880220 °	37.879926 °
				-121.333031 °	-121.333125 °
DWR ID	DWR_RD0524_01_s_2012_73				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim walnut trees on the levee slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_73\_20200901\_00035.jpg

View of trees that need to be trimmed and thinned on landside slope.  
Spring 2020

LM Start	5.46	Rating **	M	Issue No.	169
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.879881 °	37.879449 °
				-121.333131 °	-121.333181 °
DWR ID	DWR_RD0524_01_s_2020_169				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.53	Rating **	M	Issue No.	991	
LM End	5.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.878868 °	37.878868 °	
				-121.333136 °	-121.333136 °	
DWR ID	20632					
Comment Code						
Inspector Comment						
DS_ID:20632 FS_ID:62015 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1 of 2: 12-inch steel irrigation pipe through the levee, 1 foot below the crown. Pump in pump house on the waterside (WS) slope. Concrete headwall on the WS slope. Vent in 12-inch steel standpipe on the landside (LS) shoulder. 42-inch concrete standpipe and power pole on the LS toe. 1.5-inch galvanized iron electrical conduit at same location. [Additional Reference(s): USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.59)]. FS Date: 6/25/2020 2:54:00 PM						

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>991 (cont)</b>
LM End	<b>5.53</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62015\_30715.jpg



Vent in standpipe on LS shoulder. Concrete standpipe on LS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_62015\_30714.jpg



Pumphouse and concrete headwall on WS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>991 (cont)</b>
LM End	<b>5.53</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.878868 °	37.878868 °	
			-121.333136 °	-121.333136 °	
DWR ID	20632				

Photo 3 of 3 : UCIP\_FA\_2020\_62015\_30713.jpg



Pump and butterfly valve in pumphouse on WS toe.

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>992</b>
LM End	<b>5.53</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.878842 °	37.878842 °	
			-121.333123 °	-121.333123 °	
DWR ID	20658				

**Comment Code**

**Inspector Comment**

DS\_ID:20658  
FS\_ID:62017  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Not Found  
UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*REMOVED\* 2 of 2: 12-inch concrete irrigation pipe through the levee, 12 feet below the crown. Pump in pump house on the waterside (WS) slope. Concrete headwall on the WS slope. Power pole on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.59)].  
FS Date: 6/25/2020 2:54:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_62017\_89496.jpg



Top of Levee: view of crown.

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>992 (cont)</b>
LM End	<b>5.53</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.878842 °	37.878842 °	
			-121.333123 °	-121.333123 °	
DWR ID	20658				

Photo 2 of 3 : UCIP\_FA\_2020\_62017\_89497.jpg



Water-Side: view of WS slope with new assembly and capped 12-inch pipe out of headwall.

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>992 (cont)</b>
LM End	<b>5.53</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62017\_89498.jpg



Land-Side: view of LS slope with pipe, powerpole, and filter plant off toe.

LM Start	5.53	Rating **	M	Issue No.	6
LM End	5.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878798 °	37.878798 °
				-121.333111 °	-121.333111 °
DWR ID	RD0524U01RM46.06				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM46.06 09/24/2020: From 2014 to present, no significant changes were observed during the annual survey. Vegetation is limiting the view but undercutting of the levee toe is still visible. 08/13/2013: Larger trees are at the levee shoulder, and an irrigation pump station is next to the erosion site.					

Photo 1 of 2 : SJR2019\_RD0524U01RM46.06\_01.JPG



9/24/2020: View of the erosion immediately downstream of irrigation pipe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.53	Rating **	M	Issue No.	6 (cont)
LM End	5.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878798 °	37.878798 °
				-121.333111 °	-121.333111 °
DWR ID	RD0524U01RM46.06				

Photo 2 of 2 : SJR2019\_RD0524U01RM46.06\_03.JPG



9/24/2020: Close-up view of the undercutting.

LM Start	5.58	Rating **	M	Issue No.	82
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.878097 °	37.878097 °
				-121.332738 °	-121.332738 °
DWR ID	DWR_RD0524_01_f_2020_82				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.64	Rating **	M	Issue No.	141
LM End	5.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.877361 °	37.876251 °
				-121.332368 °	-121.332618 °
DWR ID	DWR_RD0524_01_s_2019_141				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_141\_20200901\_00059.jpg



View of multiple rodent holes on landside slope. Fall 2019

\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.64	Rating **	M	Issue No.	80
LM End	5.64	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.877317 °	37.877317 °
				-121.332363 °	-121.332363 °
DWR ID	DWR_RD0524_01_f _ 2020_80				
Comment Code					
Inspector Comment					
Gates require maintenance in order to properly open, close and lock.					

No Photos

LM Start	5.65	Rating **	M	Issue No.	993	
LM End	5.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.877181 °	37.877181 °	
				-121.332322 °	-121.332322 °	
DWR ID	20633					
Comment Code						
Inspector Comment						
DS_ID:20633 FS_ID:62021 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 21-inch steel irrigation pipe through the levee, 7 feet below the crown. Pump on pile structure in stream on the waterside (WS) toe. Timber walkway to the pump. Service pole on the WS shoulder. 5-foot concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.71) 20-inch pipe listed]. FS Date: 6/25/2020 2:54:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_62021\_31223.jpg



Pump on wooden pile structure on WS.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.65</b>	Rating **	M	Issue No.	<b>993 (cont)</b>
LM End	<b>5.65</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.877181 °	37.877181 °	
			-121.332322 °	-121.332322 °	
DWR ID	20633				

Photo 2 of 3 : UCIP\_FA\_2020\_62021\_31222.jpg



Power pole and concrete standpipe on LS toe.

LM Start	<b>5.65</b>	Rating **	M	Issue No.	<b>993 (cont)</b>
LM End	<b>5.65</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62021\_89499.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.65	Rating **	M	Issue No.	994	
LM End	5.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.877147 °	37.877147 °	
				-121.332310 °	-121.332310 °	
DWR ID	24051					
Comment Code						
Inspector Comment						
DS_ID:24051 FS_ID:62030 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit through the levee, 1.5 feet below the crown. Power pole and meter box on the landside (LS) toe. Electrical box on pole at the waterside (WS) shoulder. FS Date: 6/25/2020 2:55:00 PM						

LM Start	<b>5.65</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>5.65</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62030\_37668.jpg



Conduit visible on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2020\_62030\_37667.jpg



Conduit visible at base of power pole on LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.65	Rating **	M	Issue No.	994 (cont)
LM End	5.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.877147 °	37.877147 °
				-121.332310 °	-121.332310 °
DWR ID	24051				

Photo 3 of 3 : UCIP\_FA\_2020\_62030\_89502.jpg



Water-Side: view of electrical conduit through levee.

LM Start	5.66	Rating **	M	Issue No.	117
LM End	5.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.877100 °	37.877100 °
				-121.332323 °	-121.332323 °
DWR ID	DWR_RD0524_01_f_2013_117				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_117\_20201005\_00218.jpg



View of large untrimmed walnut tree on landside slope. Fall 2020

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.66	Rating **	M	Issue No.	995
LM End	5.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.877054 °	37.877054 °
				-121.332319 °	-121.332319 °
DWR ID	20634				

**Comment Code**

**Inspector Comment**

DS\_ID:20634  
FS\_ID:62116  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 14-inch irrigation pipe of an unknown material through the levee, 15 feet below the crown. Plugged by United States Army Corps of Engineers, 1972. Pump house at the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.71)].  
FS Date: 6/25/2020 2:55:00 PM

LM Start	<b>5.66</b>	Rating **	M	Issue No.	<b>995 (cont)</b>
LM End	<b>5.66</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62116\_30716.jpg



Abandoned pump and pipe on WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_62116\_89594.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.66</b>	Rating **	M	Issue No.	<b>995 (cont)</b>
LM End	<b>5.66</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.877054 °	37.877054 °
				-121.332319 °	-121.332319 °
DWR ID	20634				

Photo 3 of 3 : UCIP\_FA\_2020\_62116\_89595.jpg



Water-Side: view of WS slope and abandoned pipe and pump.

LM Start	5.68	Rating **	M	Issue No.	168
LM End	5.68	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.876743 °	37.876743 °
				-121.332359 °	-121.332359 °
DWR ID	DWR_RD0524_01_s_2020_168				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.70	Rating **	C	Issue No.	175
LM End	5.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.876417 °	37.876417 °
				-121.332505 °	-121.332505 °
DWR ID	DWR_RD0524_01_s_2017_175				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.74	Rating **	M	Issue No.	996	
LM End	5.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.876001 °		37.876001 °
				-121.332725 °		-121.332725 °
DWR ID	20649					
Comment Code						
Inspector Comment						
DS_ID:20649 FS_ID:62117 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. Crossing appears abandoned. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: *ABANDONED* 2.25-inch steel conduit for a 1-inch plastic electrical conduit through the levee, 0.25 feet below the crown. Lines exposed on both slopes. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 6/25/2020 2:55:00 PM						

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>996 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62117\_30761.jpg



Steel conduit and electrical conduit visible on the LS shoulder.

Photo 2 of 3 : UCIP\_FA\_2020\_62117\_30760.jpg



Steel conduit and electrical conduit visible on the WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>996 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.876001 °	37.876001 °	
			-121.332725 °	-121.332725 °	
DWR ID	20649				

Photo 3 of 3 : UCIP\_FA\_2020\_62117\_89597.jpg



Top of Levee: view of crown.

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>997</b>
LM End	<b>5.74</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.876001 °	37.876001 °	
			-121.332725 °	-121.332725 °	
DWR ID	20635				

**Comment Code**

**Inspector Comment**

DS\_ID:20635  
 FS\_ID:62119  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment, installed decades prior  
 Crossing Status: Indicator Found  
 UCIP Comments: 06/25/2020 Record remains Non-Urgent.  
 Unauthorized encroachment recorded in Levee Log prior to 2011.  
 Crossing appears abandoned. This record is sleeved through DSID 20649; this record is a duplicate and should be removed. (D.Sanoski - DWR UCIP)  
 FIELD\_STRUCT\_DESC: \*ABANDONED\* 1-inch steel water line through the levee, 1 foot below the crown. Pipe visible only on the landside (LS) shoulder.  
 FS Date: 6/25/2020 2:56:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_62119\_30781.jpg



Steel waterline visible on LS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>997 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.876001 °	37.876001 °	
			-121.332725 °	-121.332725 °	
DWR ID	20635				

Photo 2 of 3 : UCIP\_FA\_2020\_62119\_89605.jpg



Top of Levee: view of crown.

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>997 (cont)</b>
LM End	<b>5.74</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62119\_89606.jpg



Water-Side: view of WS slope and abandoned conduit.

LM Start	5.76	Rating **	M	Issue No.	271
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.875631 °	37.875631 °
				-121.332907 °	-121.332907 °
DWR ID	DWR_RD0524_01_f_2017_271				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_271\_20200901\_00117.jpg



Looking east at the waterside slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.77	Rating **	U	Issue No.	181
LM End	5.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.875545 °	37.875545 °
				-121.332952 °	-121.332952 °
DWR ID	DWR_RD0524_01_s_2017_181				
Comment Code					
BU : Building					
Inspector Comment					
Animal kennels at landside toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_181\_20200901\_00071.jpg



Looking west at animal pen at landward toe.

LM Start	5.77	Rating **	M	Issue No.	197
LM End	5.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.875545 °	37.875076 °
				-121.332952 °	-121.333223 °
DWR ID	DWR_RD0524_01_f_2019_197				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes on landside slope and levee crown. LMA backfilled holes but no rodent control measures are in place.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_197\_20200901\_00079.jpg



Looking north at typical view of rodent holes on landward slope.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.81</b>	Rating **	M	Issue No.	<b>998</b>
LM End	<b>5.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.875011 °	37.875011 °	
			-121.333235 °	-121.333235 °	
DWR ID	20650				

**Comment Code**

**Inspector Comment**

DS\_ID:20650  
FS\_ID:62120  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: 12-inch steel storm drainage pipe through the levee, 3 feet below the crown. Pump on the landside (LS). Siphon breaker on the waterside (WS) shoulder. Power pole at the LS toe.  
[Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.88), listed as a 10-inch pipe, 15 feet below the crown].  
FS Date: 6/25/2020 2:56:00 PM

LM Start	<b>5.81</b>	Rating **	M	Issue No.	<b>998 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62120\_30787.jpg



Pipe and pump visible on LS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_62120\_30786.jpg



Pipe and siphon breaker visible on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.81	Rating **	M	Issue No.	998 (cont)
LM End	5.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.875011 °	37.875011 °
				-121.333235 °	-121.333235 °
DWR ID	20650				

Overview of Levee: view of assembly on both sides of levee.

LM Start	<b>5.81</b>	Rating **	M	Issue No.	<b>999</b>
LM End	<b>5.81</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874972 °	37.874972 °
				-121.333246 °	-121.333246 °
DWR ID	20636				

Comment Code

Inspector Comment

DS\_ID:20636  
FS\_ID:62121  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/25/2020 Record remains Non-Urgent.  
Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)  
Apparent leak on WS shoulder at concrete riser. Erosion under pipe. This may have been fixed when the pipe was sleeved with a PVC liner.  
FIELD\_STRUCT\_DESC: 10-inch steel drainage pipe through the levee, 5 feet below the crown. Pump on the landside (LS). Siphon breaker in a 36-inch concrete riser unit on the waterside (WS) shoulder. Power pole at the LS toe. Polyvinyl chloride liner sleeved inside steel pipe.  
[Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.88)].  
FS Date: 6/25/2020 2:56:00 PM

Concrete standpipe over pipe on WS shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.81</b>	Rating **	M	Issue No.	<b>999 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.874972 °	37.874972 °	
			-121.333246 °	-121.333246 °	
DWR ID	20636				

Photo 2 of 3 : UCIP\_FA\_2020\_62121\_30784.jpg



Pipe, pump, power pole, and meter off LS toe.

LM Start	<b>5.81</b>	Rating **	M	Issue No.	<b>999 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62121\_89611.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.82	Rating **	M	Issue No.	1000	
LM End	5.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.874829 °		37.874829 °
				-121.333265 °		-121.333265 °
DWR ID	20656					
Comment Code						
Inspector Comment						
DS_ID:20656 FS_ID:62122 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Indicator Found UCIP Comments: 06/25/2020 Record remains Non-Urgent. No inspection records were available to determine status of line through the levee. (D.Sanoski - DWR UCIP) Need to verify gasoline exists and if so improve signage. FIELD_STRUCT_DESC: Gas line marker sign on the waterside (WS) shoulder. FS Date: 6/25/2020 2:57:00 PM						

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>1000 (cont)</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62122\_31249.jpg



Gasline marker on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2020\_62122\_89615.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>1000 (cont)</b>
LM End	<b>5.82</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.874829 °	37.874829 °	
			-121.333265 °	-121.333265 °	
DWR ID	20656				

Photo 3 of 3 : UCIP\_FA\_2020\_62122\_89616.jpg



Water-Side: view of WS slope and faded gas marker on shoulder.

LM Start	5.83	Rating **	M	Issue No.	167
LM End	5.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.874789 °	37.874789 °
				-121.333306 °	-121.333306 °
DWR ID	DWR_RD0524_01_s_2020_167				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_167\_20200901\_00067.jpg



View of prunings on landside slope. 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.86	Rating **	M	Issue No.	1001
LM End	5.86	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874328 °	37.874328 °
				-121.333231 °	-121.333231 °
DWR ID	20637				

**Comment Code**

**Inspector Comment**

DS\_ID:20637  
FS\_ID:62123  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Pipe Not Found  
Crossing Status: Not Found  
UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 12-inch drainage pipe of an unknown material through the levee, 8 feet below the crown. Concrete box structure on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.91) abandoned].  
FS Date: 6/25/2020 2:57:00 PM

LM Start	<b>5.86</b>	Rating **	M	Issue No.	<b>1001 (cont)</b>
LM End	<b>5.86</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62123\_89618.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP\_FA\_2020\_62123\_89619.jpg



Water-Side: view of WS slope with no sign of pipe or concrete structure.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.86	Rating **	M	Issue No.	1001 (cont)
LM End	5.86	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874328 °	37.874328 °
				-121.333231 °	-121.333231 °
DWR ID	20637				

Photo 3 of 3 : UCIP\_FA\_2020\_62123\_89620.jpg



Land-Side: view of LS slope with no sign of pipe.

LM Start	5.86	Rating **	M	Issue No.	75
LM End	5.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.874240 °	37.874002 °
				-121.333187 °	-121.333027 °
DWR ID	DWR_RD0524_01_s_2012_75				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows are on waterside and landside levee slopes.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_75\_20200901\_00036.jpg



View of rodent holes on waterside slope.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.87	Rating **	M	Issue No.	1002	
LM End	5.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.874194 °	37.874194 °	
				-121.333182 °	-121.333182 °	
DWR ID	20638					
Comment Code						
Inspector Comment						
DS_ID:20638 FS_ID:62124 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Erosion has been repaired around pipe. (D.Sanoski - DWR UCIP) Heavy erosion around pipe upstream of standpipe on LS slope. Verify pipe is not leaking and repair erosion on LS slope. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 10 feet below the crown. Slant pump on pier at the waterside (WS) toe. 10-inch steel standpipe on the landside (LS) slope. 42-inch concrete standpipe on the LS slope. Filter plant and power pole on the LS toe. 1.5-inch galvanized iron electrical conduit at same location. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.93)]. FS Date: 6/25/2020 2:57:00 PM						

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>1002 (cont)</b>
LM End	<b>5.87</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62124\_30829.jpg



Butterfly valves and standpipes on LS slope along with electrical conduit.

Photo 2 of 3 : UCIP\_FA\_2020\_62124\_30828.jpg



Slant pump on WS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>1002 (cont)</b>
LM End	<b>5.87</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.874194 °	37.874194 °	
			-121.333182 °	-121.333182 °	
DWR ID	20638				

Photo 3 of 3 : UCIP\_FA\_2020\_62124\_30827.jpg



Filter pump on LS toe.

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>5.87</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.874185 °	37.874185 °	
			-121.333110 °	-121.333110 °	
DWR ID	RD0524U01RM46.39				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM46.39

09/24/2020: From 2013 to present, no significant changes were observed during the annual survey.

08/07/2012: The erosion is near a water-intake structure. Pipe leakage likely caused the erosion.

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>5.87</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM46.39\_01.JPG



9/24/2020: Overview of the pipe crossing at the erosion site.

Photo 2 of 2 : SJR2019\_RD0524U01RM46.39\_02.JPG



9/24/2020: Close-up view of the erosion.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>1003</b>
LM End	<b>5.87</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.874114 °	37.874114 °	
			-121.333147 °	-121.333147 °	
DWR ID	20639				

**Comment Code**

**Inspector Comment**

DS\_ID:20639  
FS\_ID:62125  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Pipe Not Found  
Crossing Status: Not Found  
UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 21-inch by 21-inch reinforced concrete box drainage culvert through the levee, 20 feet below the crown. Brick distribution box at the toe of the waterside (WS) slope. Concrete distribution box at the toe of the landside (LS) slope.  
[Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.94)].  
FS Date: 6/25/2020 2:57:00 PM

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>1003 (cont)</b>
LM End	<b>5.87</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62125\_89624.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP\_FA\_2020\_62125\_89625.jpg



Water-Side: view of WS slope with no sign of crossing.

**\* 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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>1003 (cont)</b>
LM End	<b>5.87</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.874114 °	37.874114 °	
			-121.333147 °	-121.333147 °	
DWR ID	20639				

Photo 3 of 3 : UCIP\_FA\_2020\_62125\_89626.jpg



Land-Side: view of LS slope with no sign of crossing.

LM Start	5.87	Rating **	M	Issue No.	98
LM End	5.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.874085 °	37.874085 °
				-121.333154 °	-121.333154 °
DWR ID	DWR_RD0524_01_s_2012_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed walnut tree on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_98\_20201005\_00217.jpg



View of large untrimmed walnut tree on landside slope. Fall 2020

LM Start	5.92	Rating **	U	Issue No.	200
LM End	5.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.873623 °	37.873623 °
				-121.332585 °	-121.332585 °
DWR ID	DWR_RD0524_01_f_2015_200				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander bush on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_200\_20200901\_00082.jpg



View of oleander on landside slope. 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.94	Rating **	M	Issue No.	87
LM End	5.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.873545 °	37.873445 °
				-121.332308 °	-121.332127 °
DWR ID	DWR_RD0524_01_s _ 2012_87				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	5.95	Rating **	C	Issue No.	134
LM End	5.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.873378 °	37.873378 °
				-121.332131 °	-121.332131 °
DWR ID	DWR_RD0524_01_s _ 2020_134				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.97	Rating **	M	Issue No.	128
LM End	5.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.873259 °	37.873259 °
				-121.331869 °	-121.331869 °
DWR ID	DWR_RD0524_01_s _ 2020_128				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	5.97	Rating **	M	Issue No.	77
LM End	5.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.873235 °	37.873235 °
				-121.331785 °	-121.331785 °
DWR ID	DWR_RD0524_01_f_2020_77				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	6.00	Rating **	M	Issue No.	274
LM End	6.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.872993 °	37.872993 °
				-121.331295 °	-121.331295 °
DWR ID	DWR_RD0524_01_f_2017_274				
Comment Code					
BU : Building					
Inspector Comment					
Chicken coops at landside toe.					

No Photos

LM Start	6.03	Rating **	C	Issue No.	105
LM End	6.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.872683 °	37.872683 °
				-121.330919 °	-121.330919 °
DWR ID	DWR_RD0524_01_s_2020_105				
Comment Code					
DE : Debris					
Inspector Comment					
Debris and burn pile on landside easement has been removed. Fall 2020					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	6.08	Rating **	M	Issue No.	272
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.872121 °	37.872121 °
				-121.330568 °	-121.330568 °
DWR ID	DWR_RD0524_01_f_2017_272				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.08	Rating **	M	Issue No.	1004
LM End	6.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.872060 °	37.872060 °
				-121.330512 °	-121.330512 °
DWR ID	20640				
Comment Code					
Inspector Comment					
DS_ID:20640 FS_ID:62126 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. (D.Sanoski - DWR UCIP)  FIELD_STRUCT_DESC: 14-inch concrete encased steel drainage pipe through the levee, 3.5 feet below the crown. Pump in drainage ditch 500 feet off the landside (LS) toe. FS Date: 6/25/2020 2:58:00 PM					

Photo 1 of 3 : UCIP\_FA\_2020\_62126\_30843.jpg



Pipe visible on WS shoulder.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>6.08</b>	Rating **	M	Issue No.	<b>1004 (cont)</b>
LM End	<b>6.08</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.872060 °	37.872060 °	
			-121.330512 °	-121.330512 °	
DWR ID	20640				

Photo 2 of 3 : UCIP\_FA\_2020\_62126\_30842.jpg



Pipe and siphon breaker visible on LS shoulder. Pump in canal 500-feet off LS toe.

LM Start	<b>6.08</b>	Rating **	M	Issue No.	<b>1004 (cont)</b>
LM End	<b>6.08</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62126\_89627.jpg



Top of Levee: view of crown.

LM Start	6.08	Rating **	C	Issue No.	147
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.872017 °	37.872017 °
				-121.330487 °	-121.330487 °
DWR ID	DWR_RD0524_01_f_2020_147				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	6.15	Rating **	M	Issue No.	1005	
LM End	6.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.871138 °	37.871138 °	
				-121.330146 °	-121.330146 °	
DWR ID	20641					
Comment Code						
Inspector Comment						
DS_ID:20641 FS_ID:62127 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/25/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 10-inch irrigation pipe of an unknown material through the levee, 12 feet below the crown. Pump on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 6.22)]. FS Date: 6/25/2020 2:58:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_62127\_30910.jpg



Pump and open pipe visible on WS slope.

LM Start	<b>6.15</b>	Rating **	M	Issue No.	<b>1005 (cont)</b>
LM End	<b>6.15</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_62127\_30909.jpg



Pipe and concrete standpipe visible on LS toe.

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

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	6.15	Rating **	M	Issue No.	1005 (cont)
LM End	6.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.871138 °	37.871138 °
				-121.330146 °	-121.330146 °
DWR ID	20641				

Photo 3 of 3 : UCIP\_FA\_2020\_62127\_89630.jpg



Top of Levee: view of crown.

LM Start	6.15	Rating **	M	Issue No.	1006
LM End	6.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.871118 °	37.871118 °
				-121.330137 °	-121.330137 °
DWR ID	24052				

**Comment Code**

**Inspector Comment**

DS\_ID:24052  
 FS\_ID:62128  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment, installed decades prior  
 Crossing Status: Found  
 UCIP Comments: 06/25/2020 Record remains Non-Urgent.  
 Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 1.75-inch galvanized iron electrical conduit through the levee, 1 foot below the crown. Power pole on the landside (LS) toe.  
 FS Date: 6/25/2020 2:58:00 PM

Photo 1 of 3 : UCIP\_FA\_2020\_62128\_37670.jpg



Pipe visible on LS slope.

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	<b>6.15</b>	Rating **	M	Issue No.	<b>1006 (cont)</b>
LM End	<b>6.15</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.871118 °	37.871118 °	
			-121.330137 °	-121.330137 °	
DWR ID	24052				

Photo 2 of 3 : UCIP\_FA\_2020\_62128\_37669.jpg



Pipe visible on WS slope.

LM Start	<b>6.15</b>	Rating **	M	Issue No.	<b>1006 (cont)</b>
LM End	<b>6.15</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62128\_89633.jpg



Top of Levee: view of crown.

LM Start	6.15	Rating **	M	Issue No.	81
LM End	6.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.871097 °	37.871097 °
				-121.330100 °	-121.330100 °
DWR ID	DWR_RD0524_01_s_2015_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree branches and limbs on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_81\_20200901\_00039.jpg



View of tree branches on landside slope. 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

# Reclamation District No. 0524 Middle Roberts Island

View of large animal burrow on landside slope. Spring 2020

Page 202 of 205



# Reclamation District No. 0524 Middle Roberts Island



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 0524 Middle Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

LM Start	6.19	Rating **	M	Issue No.	1008 (cont)	
LM End	6.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.870498 °	37.870498 °	
				-121.329894 °	-121.329894 °	
DWR ID	20643					

Photo 2 of 3 : UCIP\_FA\_2020\_62130\_89639.jpg



Top of Levee: view of crown.

LM Start	<b>6.19</b>	Rating **	M	Issue No.	<b>1008 (cont)</b>
LM End	<b>6.19</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62130\_89640.jpg



Water-Side: view of WS slope with pipe and new siphon breaker box on shoulder.

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