

Flood Control Project Maintenance Levee Inspections

Fall 2021 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin

RD0524	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0524 Middle Roberts Island	U	6.20						
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	0.61	0.04	0.77	12.42%		0.01		
Trim / Thin Trees	0.54	0.02	0.62	10.00%				
Encroachments	0.01		0.01	0.16%	0.42	0.07		
Animal Control	0.69	0.02	0.77	12.42%				
Erosion / Bank Caving	0.01	0.01	0.05	0.81%				
Repair Gates	0.02		0.02	0.32%				
Flood Preparedness & Training	0.06		0.06	0.97%				
<i>Supplemental</i>								
DWR Erosion Survey	0.08	0.22	0.96	15.49%				
DWR UCIP Field Study					0.66			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	2.02	0.31	3.26	52.60%	1.08	0.08	0.00	0.00

Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD0524	U	6.20						
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	0.61	0.04	0.77	12.42%		0.01		
Trim / Thin Trees	0.54	0.02	0.62	10.00%				
Encroachments	0.01		0.01	0.16%	0.42	0.07		
Animal Control	0.69	0.02	0.77	12.42%				
Erosion / Bank Caving	0.01	0.01	0.05	0.81%				
Repair Gates	0.02		0.02	0.32%				
<i>Supplemental</i>								
DWR Erosion Survey	0.08	0.22	0.96	15.49%				
DWR UCIP Field Study					0.66			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	1.96	0.31	3.20	51.63%	1.08	0.08	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

[illegible]

**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)			U	
Date of Inspection	3/25/2021 - 3/29/2021		10/22/2021 - 10/22/2021	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Aaron Lickingteller KSN-District Engineer		Aaron Lickingteller 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	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					
The LMA has not had recent training.					

No Photos

LM Start	0.00	Rating **	A	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 has emergency supplies or equipment stored in shipping container on at LM 4.65, (37.890799, -121.32913). Spring 2021					

Photo 1 of 1 : FA_2021_RD0524_107_138_20210913_00064.jpg



View of container with Districts Flood Fight Materials. Spring 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.00	Rating **	C	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					

No Photos

LM Start	0.01	Rating **	A/W	Issue No.	107
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.941151 °	37.939628 °
				-121.346011 °	-121.344376 °
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 **	C	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					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.17	Rating **	C	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

LM Start	0.18	Rating **	U	Issue No.	9	
LM End	0.19	Issue Type +	Ma	Location *		
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						
08/20/2021: 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 : SJR2021_RD0524U01RM40.85_2.JPG



8/20/2021: Front view of the erosion.

LM Start	0.18	Rating **	U	Issue No.	9 (cont)
LM End	0.19	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021_RD0524U01RM40.85_1.JPG



8/20/2021: Close-up view of the erosion.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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_2021_RD0524_107_201_20211025_00337.jpg



View of tree on waterside slope looking upstream. Fall 2021

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	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938438 °	37.938384 °
				-121.342883 °	-121.342702 °
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_2021_RD0524_107_179_20210913_00069.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 M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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

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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.34	Rating **	M	Issue No.	1	
LM End	0.35	Issue Type +	Ma	Location *		
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						
08/20/2021: 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.						

Photo 1 of 2 : SJR2021_RD0524U01RM40.93_02.JPG



08/20/2021: View of the erosion looking upstream.

LM Start	0.34	Rating **	M	Issue No.	1 (cont)
LM End	0.35	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021_RD0524U01RM40.93_01.JPG



08/20/2021: Front view of the one of the erosion pockets.

LM Start	0.35	Rating **	U	Issue No.	125
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938470 °	37.938470 °
				-121.341390 °	-121.341390 °
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_2021_RD0524_107_125_20210913_00063.jpg



View of large rodent hole on landside slope. Fall 2019

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.35	Rating **	M	Issue No.	120
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938499 °	37.938499 °
				-121.341320 °	-121.341320 °
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

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_2021_RD0524_107_122_20210913_00062.jpg



View of large animal burrow on waterside slope. Spring 2020

LM Start	0.37	Rating **	M	Issue No.	276
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938514 °	37.938590 °
				-121.341076 °	-121.340593 °
DWR ID	DWR_RD0524_01_s_2021_276				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.40	Rating **	U	Issue No.	4	
LM End	0.41	Issue Type +	Ma	Location *		
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						
08/20/2021: 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.						

Photo 1 of 2 : SJR2021_RD0524U01RM40.99_01.JPG



08/20/2021: Overview of the erosion which is just upstream of a small erosion repair.

LM Start	0.40	Rating **	U	Issue No.	4 (cont)
LM End	0.41	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021_RD0524U01RM40.99_02.JPG



08/20/2021: Close-up view of the erosion on the upper levee slope.

LM Start	0.44	Rating **	M	Issue No.	126
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.938662 °	37.938662 °
				-121.339723 °	-121.339723 °
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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.50	Rating **	C	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

LM Start	0.63	Rating **	M	Issue No.	2	
LM End	0.64	Issue Type +	Ma	Location *		
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						
08/20/2021: 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 : SJR2021_RD0524U01RM41.26_01.JPG



08/20/2021: Front view of the erosion.

LM Start	0.63	Rating **	M	Issue No.	2 (cont)
LM End	0.64	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021_RD0524U01RM41.26_02.JPG



08/20/2021: 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	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					
Arundo on waterside slope.					

Photo 1 of 1 : FA_2021_RD0524_107_11_20210913_00021.jpg



View of Arundo on waterside slope. Spring 2021

LM Start	0.68	Rating **	U	Issue No.	14
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.937739 °	37.937739 °
				-121.335762 °	-121.335762 °
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_2021_RD0524_107_14_20210913_00027.jpg



View of Arundo along the waterside shoulder. Spring 2021

*** 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.70	Rating **	M	Issue No.	3	
LM End	0.71	Issue Type +	Ma	Location *		
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						
08/20/2021: During the annual erosion survey the erosion length was extended by 35 feet to 50 feet.						
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.						

LM Start	0.70	Rating **	M	Issue No.	3 (cont)
LM End	0.71	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_RD0524U01RM41.34_01.JPG



8/20/2021: Front view of the erosion.

Photo 2 of 2 : SJR2021_RD0524U01RM41.34_02.JPG



8/20/2021: Close-up view of the erosion.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.71	Rating **	M	Issue No.	13
LM End	0.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.937222 °	37.937222 °
				-121.335277 °	-121.335277 °
DWR ID	RD0524U01RM41.36				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.36					
08/20/2021: From 2016 to present, no significant changes were observed during the annual survey. Some of the old riprap has been displaced and doesn't provide adequate protection.					
06/24/2015: The erosion site is immediately downstream of the RR bridge.					

Photo 1 of 1 : SJR2021_RD0524U01RM41.36_01.JPG



08/20/2021: Overview of the erosion.

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 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	933	
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 (HLM 0.78)]. FS Date: 6/23/2020 2:32:00 PM						

LM Start	0.74	Rating **	M	Issue No.	933 (cont)
LM End	0.74	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_61917_89277.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_61917_89280.jpg



Water-Side: view of telephone cable box.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	933 (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_2021_61917_89279.jpg



Land-Side: view of LS slope.

LM Start	0.76	Rating **	U	Issue No.	8
LM End	0.77	Issue Type +	Ma	Location *	
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 08/20/2021: 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 : SJR2021_RD0524U01RM41.39_01.JPG



08/20/2021: Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2021

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

Photo 2 of 2 : SJR2021_RD0524U01RM41.39_02.JPG

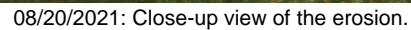
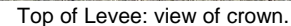


Photo 1 of 3 : UCIP_FA_2021_70215_89281.jpg



* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.78	Rating **	M	Issue No.	934 (cont)
LM End	0.78	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_2021_70215_89282.jpg



Water-Side: view of WS slope and standpipe.

LM Start	0.78	Rating **	M	Issue No.	934 (cont)
LM End	0.78	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70215_89283.jpg



Land-Side: view of LS with no sign of pipe.

LM Start	0.78	Rating **	M	Issue No.	203
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.936459 °	37.936459 °
				-121.334810 °	-121.334810 °
DWR ID	DWR_RD0524_01_s_2021_203				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.83	Rating **	U	Issue No.	12	
LM End	0.84	Issue Type +	Ma	Location *		
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 08/20/2021: Erosion site is planned for repair 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.						

Photo 1 of 2 : SJR2021_RD0524U01RM41.44_01.JPG



08/20/2021: View of erosion repair.

LM Start	0.83	Rating **	U	Issue No.	12 (cont)
LM End	0.84	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021_RD0524U01RM41.44_02.JPG



08/20/2021: View of erosion repair.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.90	Rating **	A/W	Issue No.	328
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.935314 °	37.935289 °
				-121.333350 °	-121.333190 °
DWR ID	DWR_RD0524_01_s _ 2021_328				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.90	Rating **	C	Issue No.	193
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.935400 °	37.935213 °
				-121.333300 °	-121.332220 °
DWR ID	LMA-443				
Comment Code					
Inspector Comment					
Repaired June 2021.					
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:					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.92	Rating **	M	Issue No.	935
LM End	0.92	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:70214
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. 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 (HLM 0.93). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (0.93), listed as 14-inch pipe].
FS Date: 6/23/2020 2:32:00 PM

LM Start	0.92	Rating **	M	Issue No.	935 (cont)
LM End	0.92	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70214_89284.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70214_89285.jpg



Water-Side: view of repaired WS slope with no concrete pads.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.92	Rating **	M	Issue No.	935 (cont)
LM End	0.92	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 3 of 3 : UCIP_FA_2021_70214_89286.jpg



Land-Side: view of LS slope.

LM Start	0.93	Rating **	C	Issue No.	327
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.935257 °	37.935257 °
				-121.332803 °	-121.332803 °
DWR ID	DWR_RD0524_01_s_2021_327				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	M	Issue No.	156
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.935269 °	37.935269 °
				-121.332756 °	-121.332756 °
DWR ID	DWR_RD0524_01_f_2021_156				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.94	Rating **	A/W	Issue No.	158
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.935234 °	37.935168 °
				-121.332616 °	-121.331917 °
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					
There were large rodent holes along this stretch. Monitor for new activity.					

No Photos

LM Start	0.97	Rating **	C	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					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.98	Rating **	M	Issue No.	936
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:70216
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. No permit has been identified authorizing pipe. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (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 (HLM 0.99). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (0.99), listed as 36-inch pipe].
FS Date: 6/23/2020 2:32:00 PM

LM Start	0.98	Rating **	M	Issue No.	936 (cont)
LM End	0.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_70216_89287.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70216_89288.jpg



Water-Side: view of WS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	0.98	Rating **	M	Issue No.	936 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70216_89289.jpg



Land-Side: view of LS slope.

LM Start	1.00	Rating **	C	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

LM Start	1.00	Rating **	C	Issue No.	325
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.935096 °	37.935096 °
				-121.331528 °	-121.331528 °
DWR ID	DWR_RD0524_01_s_2021_325				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.00	Rating **	A/W	Issue No.	198
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.935100 °	37.935100 °
				-121.331500 °	-121.331300 °
DWR ID	LMA-442				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Fall Inspection 2021: Revetment is present on the waterside toe and there is no active erosion. This was a 2017 Storm Damage Site. Slope protection repairs are needed along the waterside slope due to riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. Site ID No:536 Site Designation:LMA-442 There appears to be previous repair site adjacent to LMA-442.					

Photo 1 of 1 : LEVAL_FA_2021_536_4109.jpg



LM Start	1.01	Rating **	A/W	Issue No.	324
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.935057 °	37.934977 °
				-121.331356 °	-121.331027 °
DWR ID	DWR_RD0524_01_s_2021_324				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	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.	157
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.934105 °	37.934105 °
				-121.329531 °	-121.329531 °
DWR ID	DWR_RD0524_01_f_2021_157				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.15	Rating **	U	Issue No.	5
LM End	1.23	Issue Type +	Ma	Location *	
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

08/20/2021: 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	1.15	Rating **	U	Issue No.	5 (cont)
LM End	1.23	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_RD0524U01RM41.79_01.JPG



8/20/2021: Erosion visible on the upper levee slope.

Photo 2 of 2 : SJR2021_RD0524U01RM41.79_02.JPG



8/20/2021: Front view of the erosion with riprap on the levee slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.16	Rating **	M	Issue No.	323
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.933798 °	37.933798 °
				-121.329313 °	-121.329313 °
DWR ID	DWR_RD0524_01_s _ 2021_323				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.18	Rating **	C	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

LM Start	1.22	Rating **	M	Issue No.	322
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.933029 °	37.932760 °
				-121.328901 °	-121.328780 °
DWR ID	DWR_RD0524_01_s _ 2021_322				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.24	Rating **	C	Issue No.	321
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.932751 °	37.932751 °
				-121.328776 °	-121.328776 °
DWR ID	DWR_RD0524_01_s_2021_321				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.24	Rating **	C	Issue No.	222
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.932733 °	37.931794 °
				-121.328747 °	-121.328290 °
DWR ID	LMA-440				
Comment Code					
Inspector Comment					
Repair completed June 2021.					
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:534					
Site Designation:LMA-440					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/10/2017					
Notes: site is related to, but not combined with, LMA-439 a portion of this site has been repaired.					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.28	Rating **	C	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

LM Start	1.29	Rating **	M	Issue No.	937	
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:70217 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. 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 (HLM 1.31). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (1.31), listed as 12-inch pipe]. FS Date: 6/23/2020 2:35:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70217_89309.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.29	Rating **	M	Issue No.	937 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70217_89310.jpg



Water-Side: view of WS slope and abandoned pipe.

LM Start	1.29	Rating **	M	Issue No.	937 (cont)
LM End	1.29	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_70217_89311.jpg



Land-Side: view of LS slope and abandoned pipe.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.32	Rating **	M	Issue No.	938	
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:70218 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. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP) FIELD_STRUCT_DESC: 2-inch galvanized iron pipe of unknown purpose through the levee, 4 feet below the crown. [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.38). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (1.38), listed as 2-inch pipe]. FS Date: 6/23/2020 2:35:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70218_89312.jpg



Top of Levee: view of crown.

LM Start	1.32	Rating **	M	Issue No.	938 (cont)
LM End	1.32	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_70218_89313.jpg



Water-Side: view of WS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.32	Rating **	M	Issue No.	938 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70218_89314.jpg



Land-Side: view of LS slope with no sign of concrete pad and pump.

LM Start	1.48	Rating **	M	Issue No.	939
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: Submarine telephone cable through the levee, 2 feet below the crown. Telephone pole with conduit visible off landside (LS) toe. (Submarine cable authorized under Permit No. 898, 1971 - PT&T).
 FS Date: 6/23/2020 2:36:00 PM

Photo 1 of 3 : UCIP_FA_2021_61929_89315.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.48	Rating **	M	Issue No.	939 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_61929_89316.jpg



Land-Side: view of LS slope and telephone off toe.

LM Start	1.48	Rating **	M	Issue No.	939 (cont)
LM End	1.48	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61929_89317.jpg



Water-Side: view of WS slope.

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_2021_RD0524_107_916_20210913_00107.jpg

View of tree that need to be trimmed and thinned 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.54	Rating **	M	Issue No.	940
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:70220 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not 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) 08/20/2013 No permit identified for this crossing. (W.Wylie - DWR UCIP) FIELD_STRUCT_DESC: Direct 900 pair communication cable through the levee, 2.5 feet below crown. FS Date: 6/23/2020 2:37:00 PM					

LM Start	1.54	Rating **	M	Issue No.	940 (cont)
LM End	1.54	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70220_89326.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70220_89327.jpg



Land-Side: view of LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2021

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.54	Rating **	M	Issue No.	940 (cont)
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				

LM Start	1.55	Rating **	U	Issue No.	6
LM End	1.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.927770 °	37.927770 °
				-121.327870 °	-121.327870 °
DWR ID	RD0524U01RM42.2				

A photograph showing a riverbank with several trees, including a large, gnarled tree on the left. The water is calm and reflects the trees. A date stamp '09 24 2020' is visible in the bottom right corner.

Comment Code
Inspector Comment
Site ID: RD0524U01RM42.2
08/20/2021: During the annual erosion survey the length has been increased to 500 feet.
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.
08/29/2009: 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.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.55	Rating **	U	Issue No.	6 (cont)
LM End	1.64	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.927770 °	37.927770 °	
			-121.327870 °	-121.327870 °	
DWR ID	RD0524U01RM42.2				

Photo 2 of 3 : SJR2021_RD0524U01RM42.2_05.JPG



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

LM Start	1.55	Rating **	U	Issue No.	6 (cont)
LM End	1.64	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2021_RD0524U01RM42.2_06.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 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	941	
LM End	1.55	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: Not 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. (16-inch pipe authorized under Permit No. 16937, 1999 - Pacific Bell). [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.57), listed as Fiber optics cable crossing.] FS Date: 6/23/2020 2:37:00 PM						

Photo 1 of 3 : UCIP_FA_2021_61933_89329.jpg



Top of Levee: view of crown.

LM Start	1.55	Rating **	M	Issue No.	941 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_61933_89330.jpg



Land-Side: view of LS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	941 (cont)
LM End	1.55	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 3 of 3 : UCIP_FA_2021_61933_89331.jpg



Water-Side: view of WS slope.

LM Start	1.55	Rating **	M	Issue No.	160
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.928286 °	37.927659 °
				-121.328222 °	-121.327733 °
DWR ID	DWR_RD0524_01_f_2021_160				
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	942	
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:70221 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. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. 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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.57)]. FS Date: 6/23/2020 2:37:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70221_89332.jpg



Top of Levee: view of crown.

LM Start	1.55	Rating **	M	Issue No.	942 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_70221_89333.jpg



Water-Side: view of WS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	942 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70221_89334.jpg



Land-Side: view of LS slope.

LM Start	1.56	Rating **	M	Issue No.	943
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				

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. Found 2-inch PVC pipe up through center of crown; unsure of alignment of pipe or if related to this crossing. Unauthorized encroachment recorded in Levee Log prior to 2011. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (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.
 [Additional Reference(s): DWR Levee Log, 2004 (HLM 1.57).].
 FS Date: 6/23/2020 2:38:00 PM

Photo 1 of 3 : UCIP_FA_2021_61935_89335.jpg



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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.56	Rating **	M	Issue No.	943 (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_2021_61935_89338.jpg



Top of Levee: view of pvc pipe cap.

LM Start	1.56	Rating **	M	Issue No.	943 (cont)
LM End	1.56	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61935_89339.jpg



Top of Levee: view of 2-inch pvc pipe in crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.59	Rating **	M	Issue No.	944
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:70222
 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. 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 (HLM 1.61). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (1.61), listed as 6-inch pipe].
 FS Date: 6/23/2020 2:38:00 PM

LM Start	1.59	Rating **	M	Issue No.	944 (cont)
LM End	1.59	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70222_89340.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70222_89341.jpg



Land-Side: view of LS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.59	Rating **	M	Issue No.	944 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70222_89342.jpg



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

LM Start	1.62	Rating **	C	Issue No.	320
LM End	1.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.927409 °	37.927409 °
				-121.327681 °	-121.327681 °
DWR ID	DWR_RD0524_01_s_2021_320				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					

No Photos

LM Start	1.62	Rating **	C	Issue No.	319
LM End	1.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.927363 °	37.926749 °
				-121.327610 °	-121.326511 °
DWR ID	DWR_RD0524_01_s_2021_319				
Comment Code					
V6 : Landscaping					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.66	Rating **	M	Issue No.	162
LM End	1.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.927133 °	37.927133 °
				-121.327007 °	-121.327007 °
DWR ID	DWR_RD0524_01_f_2021_162				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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_2021_RD0524_107_267_20210913_00092.jpg



View of concrete stairs on landside slope. Spring 2020

LM Start	1.70	Rating **	C	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					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.73	Rating **	M	Issue No.	163
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.926356 °	37.925935 °
				-121.326101 °	-121.325742 °
DWR ID	DWR_RD0524_01_f_2021_163				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.73	Rating **	C	Issue No.	318
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.926314 °	37.926096 °
				-121.326065 °	-121.325880 °
DWR ID	DWR_RD0524_01_s_2021_318				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.79	Rating **	M	Issue No.	164
LM End	1.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.925618 °	37.925618 °
				-121.325460 °	-121.325460 °
DWR ID	DWR_RD0524_01_f_2021_164				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.80	Rating **	M	Issue No.	945	
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	1.80	Rating **	M	Issue No.	945 (cont)
LM End	1.80	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_61937_37124.jpg



Pipe visible at lower left.

Photo 2 of 3 : UCIP_FA_2021_61937_37123.jpg



Pumping plant off LS toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.80	Rating **	M	Issue No.	945 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_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_2021_RD0524_107_148_20210913_00065.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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	946	
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:70223 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. 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 (HLM 1.83). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (1.83), listed as a 14-inch pipe, 20 feet below the crown]. FS Date: 6/23/2020 2:39:00 PM						

LM Start	1.81	Rating **	M	Issue No.	946 (cont)
LM End	1.81	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70223_89346.jpg



Overview of Levee: view of levee.

Photo 2 of 3 : UCIP_FA_2021_70223_89348.jpg



Water-Side: view of electrical conduit through the levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	946 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70223_89349.jpg



Land-Side: view of LS slope and poles on LS toe.

LM Start	1.81	Rating **	M	Issue No.	947
LM End	1.81	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_2021_61940_29962.jpg



Pipes and pumphouse on WS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	947 (cont)
LM End	1.81	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_2021_61940_29961.jpg



Steps to pump on WS slope.

LM Start	1.81	Rating **	M	Issue No.	947 (cont)
LM End	1.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61940_29960.jpg



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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	948	
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:70224 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. 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 (HLM 1.83). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (1.83), listed as a 14-inch pipe, 20 feet below the crown]. FS Date: 6/23/2020 2:39:00 PM						

LM Start	1.81	Rating **	M	Issue No.	948 (cont)
LM End	1.81	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70224_89350.jpg



Overview of Levee: view of levee.

Photo 2 of 3 : UCIP_FA_2021_70224_89351.jpg



Water-Side: view of electrical conduit through the levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	948 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70224_89352.jpg



Land-Side: view of LS slope and poles on toe.

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		37.925431 °	37.925431 °	
			-121.325310 °	-121.325310 °	
DWR ID	24033				

Comment Code

Inspector Comment

DS_ID:24033
 FS_ID:70225
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Alignment Missing
 Crossing Status: Found
 UCIP Comments: 06/23/2020 Record remains Non-Urgent. Crossing appears abandoned. Alignment missing. (D.Sanoski - DWR UCIP)
 08/20/2013 Pipes appear abandoned and should be removed from levee. (W.Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: *ABANDONED* One 1-inch and two 0.75-inch polyvinyl chloride conduits of an unknown purpose through the levee, 6 inches below the crown.
 FS Date: 6/23/2020 2:40:00 PM

Photo 1 of 3 : UCIP_FA_2021_70225_89357.jpg



Overview of Levee: view of levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.93	Rating **	M	Issue No.	317
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.923903 °	37.923903 °
				-121.324315 °	-121.324315 °
DWR ID	DWR_RD0524_01_s_2021_317				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.99	Rating **	M	Issue No.	950	
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:70226 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. No permit has been found authorizing this pipe through the levee. (D.Sanoski - DWR UCIP) 08/20/2013 No permit identified for this crossing. (W.Wylie - DWR UCIP) 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_2021_70226_89363.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.99	Rating **	M	Issue No.	950 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70226_89364.jpg



Water-Side: view of WS slope and pvc found within the overgrown tree on slope.

LM Start	1.99	Rating **	M	Issue No.	950 (cont)
LM End	1.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70226_89365.jpg



Land-Side: view of LS slope with pvc pipe at toe.

LM Start	1.99	Rating **	M	Issue No.	165
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.923024 °	37.922532 °
				-121.323948 °	-121.323560 °
DWR ID	DWR_RD0524_01_f_2021_165				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.99	Rating **	M	Issue No.	951	
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:70227 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. 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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.02), listed as 10-inch pipe. USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.02), listed as 10-inch pipe]. FS Date: 6/23/2020 2:40:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70227_89366.jpg



Top of Levee: view of crown.

LM Start	1.99	Rating **	M	Issue No.	951 (cont)
LM End	1.99	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_70227_89368.jpg



Water-Side: view of electrical panel with conduit going through levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	1.99	Rating **	M	Issue No.	951 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70227_89367.jpg



Land-Side: view of LS slope.

LM Start	2.00	Rating **	M	Issue No.	952
LM End	2.00	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:70228
 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. 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 (HLM 2.02). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.02), listed as 10-inch pipe].
 FS Date: 6/23/2020 2:40:00 PM

Photo 1 of 3 : UCIP_FA_2021_70228_89360.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.00	Rating **	M	Issue No.	952 (cont)
LM End	2.00	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_2021_70228_89361.jpg



Water-Side: view of WS slope with pipe and pump.

LM Start	2.00	Rating **	M	Issue No.	952 (cont)
LM End	2.00	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70228_89362.jpg



Land-Side: view of LS slope and pipe with concrete standpipe.

LM Start	2.00	Rating **	M	Issue No.	316
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.922873 °	37.922873 °
				-121.323830 °	-121.323830 °
DWR ID	DWR_RD0524_01_s_2021_316				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.03	Rating **	M	Issue No.	953	
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) 08/20/2013 Pipe abandoned and should be done so properly. Holes visible throughout exposed pipe. (W.Wylie - DWR UCIP) 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	2.03	Rating **	M	Issue No.	953 (cont)
LM End	2.03	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_61945_89369.jpg



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

Photo 2 of 3 : UCIP_FA_2021_61945_89371.jpg



Water-Side: view of WS slope and abandoned pipe in slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.03	Rating **	M	Issue No.	953 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_61945_89370.jpg



Land-Side: view of LS slope with no sign of pipe.

LM Start	2.04	Rating **	M	Issue No.	954
LM End	2.04	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. 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 (HLM 2.06). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.06), listed as 6-inch pipe].
 FS Date: 6/23/2020 2:41:00 PM

Photo 1 of 3 : UCIP_FA_2021_61946_89372.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.04	Rating **	M	Issue No.	954 (cont)
LM End	2.04	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				

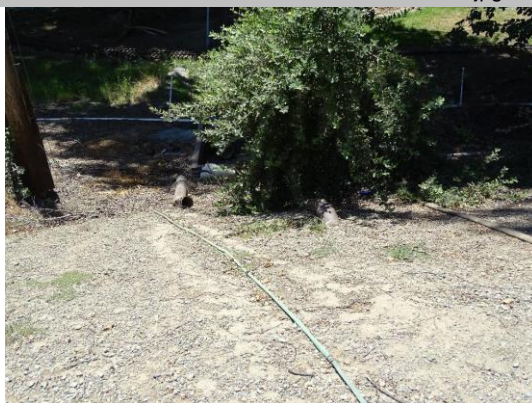
Photo 2 of 3 : UCIP_FA_2021_61946_89373.jpg



Water-Side: view of WS slope with pipe and pumphouse.

LM Start	2.04	Rating **	M	Issue No.	954 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61946_89374.jpg



Land-Side: view of LS slope with pipe out of 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.04	Rating **	M	Issue No.	955	
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:70229 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. 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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.06 - listed as 6-inch pipe). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.06), listed as 6-inch pipe]. FS Date: 6/23/2020 2:41:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70229_89375.jpg



Top of Levee: view of crown.

LM Start	2.04	Rating **	M	Issue No.	955 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_70229_89378.jpg



Water-Side: view of Ws slope and conduit out of pumphouse and through levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.04	Rating **	M	Issue No.	955 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70229_89379.jpg



Land-Side: view of LS slope and powerpole at toe.

LM Start	2.06	Rating **	M	Issue No.	315
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.922177 °	37.922177 °
				-121.323221 °	-121.323221 °
DWR ID	DWR_RD0524_01_s_2021_315				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.07	Rating **	M	Issue No.	956	
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	24038					
Comment Code						
Inspector Comment						
DS_ID:24038 FS_ID:70230 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 identified authorizing pipe. (D.Sanoski - DWR UCIP) 08/20/2013 No permit identified for this crossing. (W.Wylie - DWR UCIP) 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						

LM Start	2.07	Rating **	M	Issue No.	956 (cont)
LM End	2.07	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70230_89380.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70230_89381.jpg



Water-Side: view of Ws slope and pipe out of pumphouse.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.07	Rating **	M	Issue No.	956 (cont)
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	24038				

Photo 3 of 3 : UCIP_FA_2021_70230_89382.jpg



Land-Side: view of LS slope and pipe at toe connected to tank.

LM Start	2.07	Rating **	M	Issue No.	957
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:70231
 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. No permit has been identified authorizing pipe. Electrical conduit for the 20-inch pipe (DSID 20612). (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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.10 - listed as 20-inch pipe). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.10), listed as 20-inch pipe].
 FS Date: 6/23/2020 2:42:00 PM

Photo 1 of 3 : UCIP_FA_2021_70231_89383.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.07	Rating **	M	Issue No.	957 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70231_89384.jpg



Water-Side: view of WS slope and electrical conduit out of panel on pumphouse.

LM Start	2.07	Rating **	M	Issue No.	957 (cont)
LM End	2.07	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70231_89385.jpg



Land-Side: view of LS slope and electrical conduit into panel at powerpole at toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.07	Rating **	M	Issue No.	958	
LM End	2.07	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:70232 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. No permit has been identified authorizing pipe. There was no hole next to standpipe present at time of inspection. (D.Sanoski - DWR UCIP) 08/20/2013 Soil excavated from cover over pipe on WS next to concrete riser. May indicate a leak or other problem. (W.Wylie - DWR UCIP) 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 (HLM 2.10). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.10), listed as 20-inch pipe]. FS Date: 6/23/2020 2:23:00 PM						

LM Start	2.07	Rating **	M	Issue No.	958 (cont)
LM End	2.07	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70232_89386.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70232_89387.jpg



Water-Side: view of WS slope with concrete standpipes, pumphouse, and pipe on slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.07	Rating **	M	Issue No.	958 (cont)
LM End	2.07	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 3 of 3 : UCIP_FA_2021_70232_89388.jpg



Land-Side: view of LS slope and riser 350 feet off of toe.

LM Start	2.09	Rating **	A/W	Issue No.	250
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.921887 °	37.921887 °
				-121.322846 °	-121.322846 °
DWR ID	DWR_RD0524_01_s_2021_250				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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_2021_RD0524_107_247_20211025_00338.jpg



View of rubber tires being used as stairs on landside slope. Fall 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.12	Rating **	M	Issue No.	959
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:70233
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. 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 (HLM 2.15). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.15), listed as 24-inch pipe].
FS Date: 6/24/2020 2:22:00 PM

LM Start	2.12	Rating **	M	Issue No.	959 (cont)
LM End	2.12	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70233_89389.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70233_89390.jpg



Water-Side: view of WS slope, pumphouse, and riser on slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.12	Rating **	M	Issue No.	959 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70233_89391.jpg



Land-Side: view of LS slope and concrete riser off of toe.

LM Start	2.13	Rating **	M	Issue No.	166
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.921508 °	37.921000 °
				-121.322253 °	-121.321435 °
DWR ID	DWR_RD0524_01_f_2021_166				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
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_2021_RD0524_107_152_20210913_00066.jpg



View of prunings on the landside slope. Spring 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.27	Rating **	M	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					

No Photos

LM Start	2.29	Rating **	A/W	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

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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.34	Rating **	M	Issue No.	167
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.919591 °	37.918817 °
				-121.319630 °	-121.320296 °
DWR ID	DWR_RD0524_01_f_2021_167				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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	2.40	Rating **	M	Issue No.	37
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918867 °	37.918568 °
				-121.320296 °	-121.320875 °
DWR ID	DWR_RD0524_01_s_2012_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.44	Rating **	M	Issue No.	168
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.918567 °	37.918292 °
				-121.320875 °	-121.321758 °
DWR ID	DWR_RD0524_01_f_2021_168				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.48	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	2.50	Rating **	U	Issue No.	169
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918264 °	37.918264 °
				-121.321860 °	-121.321860 °
DWR ID	DWR_RD0524_01_f_2021_169				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.50	Rating **	M	Issue No.	170
LM End	2.50	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.918258 °	37.918258 °
				-121.321888 °	-121.321888 °
DWR ID	DWR_RD0524_01_f_2021_170				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	2.50	Rating **	M	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	2.50	Rating **	C	Issue No.	314
LM End	2.50	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.918263 °	37.918263 °
				-121.321996 °	-121.321996 °
DWR ID	DWR_RD0524_01_s_2021_314				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.58	Rating **	M	Issue No.	960	
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. Unclear if 12-inch pipe discharging into distribution box on LS toe is related to this crossing. (D.Sanoski - DWR UCIP) 08/20/2013 Need to determine type of abandonment for pipe at this location. (W.Wylie - DWR UCIP) 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_2021_61955_89398.jpg



Top of Levee: view of crown.

LM Start	2.58	Rating **	M	Issue No.	960 (cont)
LM End	2.58	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_61955_89399.jpg



Water-Side: view of abandoned pump pad.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.58	Rating **	M	Issue No.	960 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_61955_89400.jpg



Land-Side: view of LS slope.

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					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.68	Rating **	M	Issue No.	961
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:70235 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. 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. Air release valve on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.71). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.71), listed as 14-inch pipe]. FS Date: 6/24/2020 2:43:00 PM					

LM Start	2.68	Rating **	M	Issue No.	961 (cont)
LM End	2.68	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70235_89401.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70235_89402.jpg



Water-Side: view of WS slope and wooden ramp, pipe, and pump.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.68	Rating **	M	Issue No.	961 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70235_89405.jpg



Land-Side: view of new pipe configuration out of levee toe.

LM Start	2.68	Rating **	M	Issue No.	962
LM End	2.68	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				

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. No permit has been identified authorizing pipe.
 Associated the DSID 20615. (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

Photo 1 of 3 : UCIP_FA_2021_61957_89406.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.68	Rating **	M	Issue No.	962 (cont)
LM End	2.68	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_2021_61957_89407.jpg



Water-Side: view of WS slope and electrical conduit into levee.

LM Start	2.68	Rating **	M	Issue No.	962 (cont)
LM End	2.68	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61957_89408.jpg



Land-Side: view of LS slope and powerpole at toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.73	Rating **	M	Issue No.	963
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. Holes in pipe on WS slope. (D.Sanoski - DWR UCIP)
08/20/2013 No permit identified for crossing. Unknown use. Pipe should be removed. (W.Wylie - 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 removed on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 2004 (HLM 2.75)].
FS Date: 6/24/2020 2:44:00 PM

LM Start	2.73	Rating **	M	Issue No.	963 (cont)
LM End	2.73	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_61958_89409.jpg



Top of Levee: view of crown with pipes into levee on both sides of crown.

Photo 2 of 3 : UCIP_FA_2021_61958_89410.jpg



Water-Side: view of WS slope and abandoned pipe with visible holes.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.73	Rating **	M	Issue No.	963 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_61958_89411.jpg



Land-Side: view of LS slope with pipe out of slope.

LM Start	2.73	Rating **	M	Issue No.	313
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.915686 °	37.915488 °
				-121.322509 °	-121.322669 °
DWR ID	DWR_RD0524_01_s_2021_313				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim and thin palm tree on landside slope. Spring 2021					

No Photos

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_2021_RD0524_107_240_20210913_00088.jpg

View of 4 inch pipe going through levee from landside to waterside.
Spring 2020

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.75	Rating **	C	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	2.79	Rating **	M	Issue No.	171
LM End	2.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.915047 °	37.915047 °
				-121.323292 °	-121.323292 °
DWR ID	DWR_RD0524_01_f_2021_171				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.80	Rating **	A/W	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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.81	Rating **	M	Issue No.	172
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.914893 °	37.914893 °
				-121.323709 °	-121.323709 °
DWR ID	DWR_RD0524_01_f _ 2021_172				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.86	Rating **	M	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 **	C	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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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_2021_RD0524_107_223_20210913_00083.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_2021_RD0524_107_161_20210913_00068.jpg



Looking east at large tree stump on waterward shoulder.

LM Start	2.92	Rating **	M	Issue No.	51
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.913598 °	37.913288 °
				-121.324425 °	-121.324476 °
DWR ID	DWR_RD0524_01_s _ 2012_51				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.94	Rating **	M	Issue No.	210
LM End	2.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.913198 °	37.913198 °
				-121.324490 °	-121.324490 °
DWR ID	DWR_RD0524_01_s_2016_210				
Comment Code					
GA : Garbage					
Inspector Comment					
Old containers at landside toe.					

Photo 1 of 1 : FA_2021_RD0524_107_210_20210913_00076.jpg



Looking west at abandoned containers at landward toe.

LM Start	2.95	Rating **	M	Issue No.	964	
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					
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. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP) 08/20/2013 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. (W.Wylie - DWR UCIP) 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): DWR Levee Log, 2004 (HLM 2.99, listed as 8-inch pipe). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (2.99), listed as 9-inch pipe]. FS Date: 6/24/2020 2:44:00 PM						

Photo 1 of 3 : UCIP_FA_2021_61959_89412.jpg



Overview of Levee: view of crown with pipe through crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	2.95	Rating **	M	Issue No.	964 (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 2 of 3 : UCIP_FA_2021_61959_89413.jpg



Water-Side: view of WS slope with pipe out of slope.

LM Start	2.95	Rating **	M	Issue No.	964 (cont)
LM End	2.95	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61959_89414.jpg



Land-Side: view of LS slope and pipe out of slope.

LM Start	2.96	Rating **	M	Issue No.	310
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.912901 °	37.911969 °
				-121.324538 °	-121.324734 °
DWR ID	DWR_RD0524_01_s_2021_310				
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.10	Rating **	M	Issue No.	925
LM End	3.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.910946 °	37.908602 °
				-121.325147 °	-121.325395 °
DWR ID	DWR_RD0524_01_s_2012_925				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes on levee slopes.					

Photo 1 of 1 : FA_2021_RD0524_107_925_20210913_00108.jpg



Looking southwest at the landside slope.

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 waterside slope in poor condition.					

Photo 1 of 1 : FA_2021_RD0524_107_220_20210913_00079.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_2021_RD0524_107_211_20210913_00077.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 M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.23	Rating **	C	Issue No.	229
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.909200 °	37.908083 °
				-121.325300 °	-121.325396 °
DWR ID	LMA-293				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repaired. 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.					

No Photos

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

LM Start	3.34	Rating **	C	Issue No.	309
LM End	3.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.907561 °	37.907561 °
				-121.325427 °	-121.325427 °
DWR ID	DWR_RD0524_01_s_2021_309				
Comment Code					
DE : Debris					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

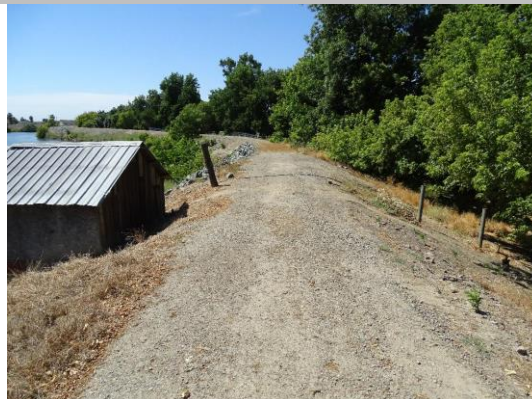
LM Start	3.35	Rating **	M	Issue No.	965
LM End	3.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.907504 °	37.907504 °
				-121.325420 °	-121.325420 °
DWR ID	20618				

Comment Code

Inspector Comment

DS_ID:20618
FS_ID:70236
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. No permit has been identified authorizing pipe. Erosion repaired since last inspection. (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 (HLM 3.38, listed as 12-inch pipe). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (3.38), listed as 12-inch pipe listed, (conversation with owner, 2016)].
FS Date: 6/24/2020 2:45:00 PM

Photo 1 of 3 : UCIP_FA_2021_70236_89415.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.35	Rating **	M	Issue No.	965 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70236_89416.jpg



Water-Side: view of WS slope and pumphouse.

LM Start	3.35	Rating **	M	Issue No.	965 (cont)
LM End	3.35	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70236_89418.jpg



Land-Side: view of LS slope and repaired levee around 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.35	Rating **	M	Issue No.	966
LM End	3.35	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:70237 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. No permit has been identified authorizing pipe. Associated with DSID 20618. (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					

Photo 1 of 3 : UCIP_FA_2021_70237_89419.jpg



Top of Levee: view of crown.

LM Start	3.35	Rating **	M	Issue No.	966 (cont)
LM End	3.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_70237_89420.jpg



Water-Side: view of WS slope and electrical conduit out of pumphouse.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.35	Rating **	M	Issue No.	966 (cont)
LM End	3.35	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				

Photo 3 of 3 : UCIP_FA_2021_70237_89421.jpg



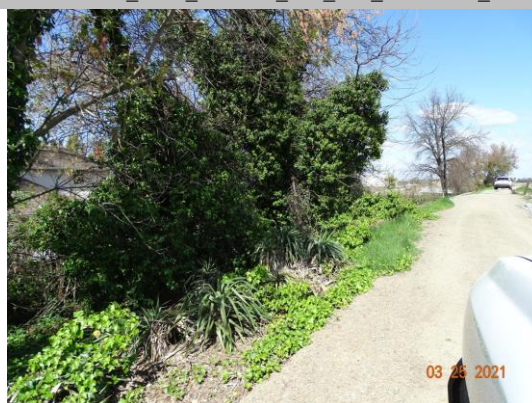
Land-Side: view of LS slope.

LM Start	3.35	Rating **	M	Issue No.	308
LM End	3.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.907430 °	37.907430 °
				-121.325421 °	-121.325421 °
DWR ID	DWR_RD0524_01_s_2021_308				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.36	Rating **	U	Issue No.	307
LM End	3.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.907346 °	37.907098 °
				-121.325411 °	-121.325366 °
DWR ID	DWR_RD0524_01_s_2021_307				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0524_107_307_20210913_00101.jpg



View of heavy landscape vegetation along the landside slope. Spring 2021

* 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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Reclamation District No. 0524 Middle Roberts Island

No Photos

No Photos

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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 2021					

Photo 1 of 1 : FA_2021_RD0524_107_213_20210913_00078.jpg



View of abandoned farm equipment within the landside easement.
Spring 2021

LM Start	3.48	Rating **	M	Issue No.	304
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.905971 °	37.905971 °
				-121.324235 °	-121.324235 °
DWR ID	DWR_RD0524_01_s_2021_304				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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	3.52	Rating **	M	Issue No.	265
LM End	3.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.905444 °	37.905444 °
				-121.323835 °	-121.323835 °
DWR ID	DWR_RD0524_01_s_2012_265				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp on landside slope.					

Photo 1 of 1 : FA_2021_RD0524_107_265_20210913_00091.jpg



Looking southeast at unauthorized ramp on landside slope and toe.

LM Start	3.53	Rating **	M	Issue No.	303
LM End	3.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.905318 °	37.905318 °
				-121.323843 °	-121.323843 °
DWR ID	DWR_RD0524_01_s_2021_303				
Comment Code					
TR : Tree or limb					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.53	Rating **	C	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					

No Photos

LM Start	3.56	Rating **	C	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	DWR_RD0524_01_f_2021_234				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.59	Rating **	N	Issue No.	302
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.904600 °	37.904600 °
				-121.324200 °	-121.324200 °
DWR ID	DWR_RD0524_01_s_2021_302				
Comment Code					
T5 : Tree stumps.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.59	Rating **	U	Issue No.	174
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.904565 °	37.904565 °
				-121.324200 °	-121.324200 °
DWR ID	DWR_RD0524_01_f _ 2021_174				
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_2021_RD0524_107_174_20211025_00339.jpg



View of untrimmed trees along the landside slope. Fall 2021

LM Start	3.59	Rating **	M	Issue No.	301
LM End	3.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.904531 °	37.904531 °
				-121.324314 °	-121.324314 °
DWR ID	DWR_RD0524_01_s_2021_301				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
There is an abandoned tractor within the landside easement. Spring 2021					

Photo 1 of 1 : FA_2021_RD0524_107_301_20210913_00099.jpg



View of an abandoned piece of farm equipment within the landside easement. Spring 2021

LM Start	3.60	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			37.904479 °	37.903760 °
				-121.324427 °	-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 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	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.	967	
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:70238 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. 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 (HLM 3.69). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (3.69), listed as 30-inch pipe]. FS Date: 6/24/2020 2:45:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70238_89422.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.65	Rating **	M	Issue No.	967 (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				

Photo 2 of 3 : UCIP_FA_2021_70238_89423.jpg



Water-Side: view of WS slope and riser with pipe and pump on pier.

LM Start	3.65	Rating **	M	Issue No.	967 (cont)
LM End	3.65	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70238_89424.jpg



Land-Side: view of LS slope and riser on toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.65	Rating **	M	Issue No.	968
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:70239 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. No permit has been identified authorizing pipe. Associated with DSID 20619. (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	3.65	Rating **	M	Issue No.	968 (cont)
LM End	3.65	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70239_89425.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70239_89428.jpg



Water-Side: view of electrical conduit through the levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.65	Rating **	M	Issue No.	968 (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	24043				

Photo 3 of 3 : UCIP_FA_2021_70239_89427.jpg



Land-Side: view of LS slope.

LM Start	3.69	Rating **	M	Issue No.	175
LM End	3.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.903562 °	37.902439 °
				-121.325430 °	-121.326409 °
DWR ID	DWR_RD0524_01_f_2021_175				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.69	Rating **	C	Issue No.	300
LM End	3.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.903482 °	37.903482 °
				-121.325514 °	-121.325514 °
DWR ID	DWR_RD0524_01_s_2021_300				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	969	
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:70240 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. (D.Sanoski - DWR UCIP) 08/20/2013 No permit identified for this crossing. (W.Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3 feet below the crown. Adjacent to slant pump and butterfly valve at concrete foundation on the waterside (WS) slope. Pipe connected to filter plant, vents, and butterfly valves on the landside (LS) toe. FS Date: 6/24/2020 2:46:00 PM						

LM Start	3.79	Rating **	M	Issue No.	969 (cont)
LM End	3.79	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70240_89430.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70240_89432.jpg



Water-Side: view of WS slope and new alignment of steel pipe out of pump; cattle guard removed.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	969 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70240_89431.jpg



Land-Side: view of LS slope and filter plant on toe.

LM Start	3.79	Rating **	M	Issue No.	970
LM End	3.79	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:70241
 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. Crossing appears abandoned. (D.Sanoski - DWR UCIP)
 08/20/2013 Appears abandoned and if so should be done so properly. Evidence of severe internal corrosion in concrete distribution box at LS toe. (W.Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 10.5 feet below the crown. Pump and gate valve on concrete foundation 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 (HLM 3.83). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (3.83), listed as 12-inch pipe].
 FS Date: 6/24/2020 2:46:00 PM

Photo 1 of 3 : UCIP_FA_2021_70241_89434.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	970 (cont)
LM End	3.79	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_2021_70241_89436.jpg



Water-Side: view of WS slope.

LM Start	3.79	Rating **	M	Issue No.	970 (cont)
LM End	3.79	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70241_89435.jpg



Land-Side: view of LS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	971	
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:70242						
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. No permit has been identified authorizing pipe.						
Associated with DSID 20620. (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						

LM Start	3.79	Rating **	M	Issue No.	971 (cont)
LM End	3.79	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70242_89437.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70242_89438.jpg



Water-Side: view of electrical conduit going through the levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	971 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70242_89439.jpg



Land-Side: view of electrical panels on toe.

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		37.902343 °	37.902343 °	
			-121.326450 °	-121.326450 °	
DWR ID	24046				

Comment Code

Inspector Comment

DS_ID:24046
 FS_ID:70243
 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. No permit has been identified authorizing pipe.
 Associated with DSID 20620. (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_2021_70243_89440.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.79	Rating **	M	Issue No.	972 (cont)
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	24046				

Photo 2 of 3 : UCIP_FA_2021_70243_89441.jpg



Water-Side: view of electrical conduits going through levee.

LM Start	3.79	Rating **	M	Issue No.	972 (cont)
LM End	3.79	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70243_89442.jpg



Land-Side: view of electrical panels on toe.

LM Start	3.80	Rating **	M	Issue No.	299
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.902223 °	37.902223 °
				-121.326491 °	-121.326491 °
DWR ID	DWR_RD0524_01_s_2021_299				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.81	Rating **	M	Issue No.	298
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.901981 °	37.901981 °
				-121.326523 °	-121.326523 °
DWR ID	DWR_RD0524_01_s_2021_298				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Landside slope has depressions due to landscape activities from residents. Spring 2021					

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	3.83	Rating **	U	Issue No.	297
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.901775 °	37.901775 °
				-121.326525 °	-121.326525 °
DWR ID	DWR_RD0524_01_s_2021_297				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0524_107_297_20210913_00098.jpg



View of erosion on the landside slope, approximately 5 ft wide, 10 ft long, 2 ft deep. Spring 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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					
Land owner is storing equipment on landside shoulder and landside toe.					

Photo 1 of 1 : FA_2021_RD0524_107_95_20210913_00057.jpg



View of farm equipment being stored along the landside shoulder.
Spring 2021

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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.90	Rating **	M	Issue No.	973
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)
08/20/2013 Appears to be abandoned as signage has been removed.
(W.Wylie - DWR UCIP)
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. Abandoned sign posts remain on both sides of the river on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2004 (HLM 3.94)].
FS Date: 6/24/2020 2:47:00 PM

LM Start	3.90	Rating **	M	Issue No.	973 (cont)
LM End	3.90	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_61968_89443.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_61968_89444.jpg



Water-Side: view of WS slope and abandoned sign.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.90	Rating **	M	Issue No.	973 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_61968_89445.jpg



Land-Side: view of LS slope.

LM Start	3.90	Rating **	M	Issue No.	296
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.900706 °	37.900706 °
				-121.326444 °	-121.326444 °
DWR ID	DWR_RD0524_01_s_2021_296				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.92	Rating **	M	Issue No.	143
LM End	3.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.900491 °	37.900491 °
				-121.326461 °	-121.326461 °
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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	3.97	Rating **	M	Issue No.	178
LM End	4.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.899726 °	37.899053 °
				-121.326602 °	-121.326935 °
DWR ID	DWR_RD0524_01_f_2021_178				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.97	Rating **	M	Issue No.	142
LM End	4.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.899699 °	37.899306 °
				-121.326653 °	-121.326837 °
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 **	M	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 has been reduced on landside slope. Spring 2021					

Photo 1 of 1 : FA_2021_RD0524_107_195_20210913_00073.jpg



View of pruning pile within the landside easement. Spring 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	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_2021_RD0524_107_101_20210913_00059.jpg



Looking west at unauthorized ramp on landside slope.

LM Start	4.04	Rating **	M	Issue No.	974
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:70244 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. Appears to be functioning ok with new electrical pipe inside pumphouse. (D.Sanoski - DWR UCIP) 08/20/2013 Appears abandoned and if so should be done so properly. (W.Wylie - 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 (HLM 4.08). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.08), listed as 8-inch pipe]. FS Date: 6/24/2020 2:48:00 PM					

Photo 1 of 3 : UCIP_FA_2021_70244_89449.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.04	Rating **	M	Issue No.	974 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70244_89450.jpg



Water-Side: view of WS slope with riser and pumphouse.

LM Start	4.04	Rating **	M	Issue No.	974 (cont)
LM End	4.04	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70244_89451.jpg



Land-Side: view of LS slope with concrete riser on toe.

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					

Photo 1 of 1 : FA_2021_RD0524_107_61_20210913_00055.jpg



View of untrimmed tree along the landside easement. Spring 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.12	Rating **	C	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	4.16	Rating **	M	Issue No.	975	
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:70245 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. 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 (HLM 4.20). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.20), listed as 8-inch pipe]. FS Date: 6/24/2020 2:49:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70245_89452.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.16	Rating **	M	Issue No.	975 (cont)	
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					

Photo 2 of 3 : UCIP_FA_2021_70245_89453.jpg



Water-Side: view of WS slope with pipe and pump.

LM Start	4.16	Rating **	M	Issue No.	975 (cont)
LM End	4.16	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70245_89454.jpg



Land-Side: view of LS slope with concrete riser on 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.16	Rating **	M	Issue No.	976
LM End	4.16	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:70246
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. Portion of pipe with leak replaced, and minor erosion on slope does not appear to be related to any pipe defect, but should still be addressed by District. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)
08/23/2013 Small leak on WS slope causing minor erosion on WS slope. (W.Wylie - DWR UCIP)
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 (HLM 4.21). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.21), listed as 12-inch pipe].
FS Date: 6/24/2020 2:49:00 PM

LM Start	4.16	Rating **	M	Issue No.	976 (cont)
LM End	4.16	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70246_89455.jpg



Overview of Levee: view of crown and pipe system on both sides.

Photo 2 of 3 : UCIP_FA_2021_70246_89456.jpg



Water-Side: view of WS slope with pipe and pumphouse on toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.16	Rating **	M	Issue No.	976 (cont)
LM End	4.16	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 3 of 3 : UCIP_FA_2021_70246_89457.jpg



Land-Side: view of LS slope with pipe and concrete riser on toe.

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_2021_RD0524_107_110_20210913_00060.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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	977
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:70250 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. No permit has been identified authorizing pipe. Associated with DSID 20625. (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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 4.21). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.21), listed as 12-inch pipe.] FS Date: 6/24/2020 2:49:00 PM					

LM Start	4.17	Rating **	M	Issue No.	977 (cont)
LM End	4.17	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70250_89458.jpg



Overview of Levee: view of crown and assembly on both sides.

Photo 2 of 3 : UCIP_FA_2021_70250_89459.jpg



Water-Side: view of pipe out of pumphouse.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	977 (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	24047				

Photo 3 of 3 : UCIP_FA_2021_70250_89460.jpg



Land-Side: view of electrical conduit into powerpole on toe.

LM Start	4.17	Rating **	M	Issue No.	978
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				

Comment Code

Inspector Comment

DS_ID:24048
FS_ID:70249
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. No permit has been identified authorizing pipe.
Associated with DSID 20625. (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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 4.21). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.21), listed as 12-inch pipe.]
FS Date: 6/24/2020 2:50:00 PM

Photo 1 of 3 : UCIP_FA_2021_70249_89461.jpg



Overview of Levee: view of crown and assembly on both sides.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	978 (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_2021_70249_89462.jpg



Water-Side: view of electrical conduit through the levee.

LM Start	4.17	Rating **	M	Issue No.	978 (cont)
LM End	4.17	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70249_89463.jpg



Land-Side: view of electrical conduit into panel at powerpole on toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	979
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:70248
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. Associated with DSID 20625. (D.Sanoski - DWR UCIP)
08/23/2013 No permit identified for this crossing. (W.Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 2.25-inch galvanized iron 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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 4.21). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.21), listed as 12-inch pipe.]
FS Date: 6/24/2020 2:50:00 PM

LM Start	4.17	Rating **	M	Issue No.	979 (cont)
LM End	4.17	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70248_89464.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70248_89465.jpg



Water-Side: view of WS slope and pvc line through the levee.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.17	Rating **	M	Issue No.	979 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70248_89466.jpg



Land-Side: view of LS slope and assembly on toe.

LM Start	4.37	Rating **	M	Issue No.	980
LM End	4.37	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:70247
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. Small leak has been repaired. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)
08/23/2013 Small leak in pipe on LS slope and pipe slightly crushed on LS toe. (W.Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 3 feet below the crown. Pump in drainage ditch off the landside (LS) toe. Siphon breaker on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2004 (HLM 4.42, listed as 8-inch pipe). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.42), listed as 8-inch pipe].
FS Date: 6/24/2020 2:51:00 PM

Photo 1 of 3 : UCIP_FA_2021_70247_89467.jpg



Overview of Levee: view of crown and assembly on both sides.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.37	Rating **	M	Issue No.	980 (cont)
LM End	4.37	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_2021_70247_89468.jpg



Water-Side: view of WS slope and pipe.

LM Start	4.37	Rating **	M	Issue No.	980 (cont)
LM End	4.37	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70247_89469.jpg



Land-Side: view of LS slope and pipe.

LM Start	4.38	Rating **	M	Issue No.	294
LM End	4.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.894299 °	37.891830 °
				-121.329258 °	-121.328317 °
DWR ID	DWR_RD0524_01_s_2021_294				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.53	Rating **	C	Issue No.	30
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				

No Photos

Comment Code					
Inspector Comment					
Repair complete. 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.					

LM Start	4.56	Rating **	U	Issue No.	292
LM End	4.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.891825 °	37.891825 °
				-121.328325 °	-121.328325 °
DWR ID	DWR_RD0524_01_s_2021_292				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2021_RD0524_107_292_20210913_00097.jpg



View of prunings and debris within the landside easement. Spring 2021

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.61	Rating **	A/W	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					

No Photos

LM Start	4.68	Rating **	M	Issue No.	981	
LM End	4.68	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) 08/23/2013 Good candidate for video inspection as brick and mortar deteriorating inside tunnel. (W.Wylie - DWR UCIP) 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. Power pole on LS toe. [Additional Reference(s): DWR Levee Log, 2004 (HLM 4.73), listed as 16-inch pipe. USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (4.73), listed as 14-inch pipe]. FS Date: 6/24/2020 2:51:00 PM						

Photo 1 of 3 : UCIP_FA_2021_61991_89470.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.68	Rating **	M	Issue No.	981 (cont)
LM End	4.68	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 2 of 3 : UCIP_FA_2021_61991_89471.jpg



Water-Side: view of WS slope with pipe and pumphouse.

LM Start	4.68	Rating **	M	Issue No.	981 (cont)
LM End	4.68	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61991_89472.jpg



Land-Side: view of LS slope with channel on toe beneath tree.

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 Strom 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_2021_523_4217.jpg



* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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	4.90	Rating **	M	Issue No.	180
LM End	4.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.887596 °	37.887596 °
				-121.331164 °	-121.331164 °
DWR ID	DWR_RD0524_01_f_2021_180				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.90	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			37.887598 °	37.887477 °
				-121.331209 °	-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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	4.93	Rating **	M	Issue No.	181
LM End	4.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.887266 °	37.887266 °
				-121.331575 °	-121.331575 °
DWR ID	DWR_RD0524_01_f_2021_181				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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 **	M	Issue No.	114
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.886994 °	37.886596 °
				-121.331829 °	-121.332007 °
DWR ID	DWR_RD0524_01_s_2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.01	Rating **	M	Issue No.	182
LM End	5.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.886292 °	37.886292 °
				-121.332060 °	-121.332060 °
DWR ID	DWR_RD0524_01_f_2021_182				
Comment Code					
T2 : 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.	982	
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- looks to have been removed, but needs to be verified. 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, Unit 7, April 1964, Revised 29 December 2016, (5.07), listed as 5-inch pipe]. FS Date: 6/24/2020 2:52:00 PM						

Photo 1 of 3 : UCIP_FA_2021_61998_89476.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.01	Rating **	M	Issue No.	982 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_61998_89477.jpg



Water-Side: view of WS slope.

LM Start	5.01	Rating **	M	Issue No.	982 (cont)
LM End	5.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_61998_89478.jpg



Land-Side: view of LS slope.

LM Start	5.03	Rating **	M	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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.06	Rating **	M	Issue No.	184
LM End	5.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.885557 °	37.885557 °
				-121.332135 °	-121.332135 °
DWR ID	DWR_RD0524_01_f_2021_184				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.09	Rating **	M	Issue No.	176
LM End	5.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.885007 °	37.884671 °
				-121.332201 °	-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	5.14	Rating **	M	Issue No.	173
LM End	5.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.884399 °	37.884399 °
				-121.332154 °	-121.332154 °
DWR ID	DWR_RD0524_01_s_2020_173				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.18	Rating **	N	Issue No.	290
LM End	5.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.883790 °	37.883790 °
				-121.332137 °	-121.332137 °
DWR ID	DWR_RD0524_01_s _ 2021_290				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.19	Rating **	M	Issue No.	289
LM End	5.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.883621 °	37.883621 °
				-121.332121 °	-121.332121 °
DWR ID	DWR_RD0524_01_s _ 2021_289				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.20	Rating **	M	Issue No.	983	
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:70251 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. 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 (HLM 5.26). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.26), listed as 14-inch pipe]. FS Date: 6/24/2020 2:52:00 PM						

LM Start	5.20	Rating **	M	Issue No.	983 (cont)
LM End	5.20	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70251_89479.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70251_89480.jpg



Water-Side: view of WS slope and concrete pump house.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.20	Rating **	M	Issue No.	983 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70251_89481.jpg



Land-Side: view of LS slope and concrete standpipe on toe.

LM Start	5.21	Rating **	N	Issue No.	288
LM End	5.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.883355 °	37.883355 °
				-121.332163 °	-121.332163 °
DWR ID	DWR_RD0524_01_s_2021_288				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.32	Rating **	M	Issue No.	185
LM End	5.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.881812 °	37.881812 °
				-121.332719 °	-121.332719 °
DWR ID	DWR_RD0524_01_f_2021_185				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

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

LM Start	5.38	Rating **	M	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					
Walnut trees on landside slope has been trimmed. Tree needs to be trimmed at least five feet above ground over easement. Spring 2021					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	984
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:70252
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. Crossing appears abandoned. Limited inspection on LS due to overgrown vegetation. No permit has been identified authorizing pipe. Associated with DSID 20659. (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. Flap gate located on the WS end. LS end not found. [Additional Reference(s): DWR Levee Log, 2004 (HLM 5.48, listed as 10-inch (DSID 20659)). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.48), listed as 10-inch pipe (DSID 20659). 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_2021_70252_89482.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	984 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70252_89483.jpg



Water-Side: view of WS slope and pipe.

LM Start	5.41	Rating **	M	Issue No.	984 (cont)
LM End	5.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_70252_78506.jpg



LS view - could not find pipe outlet.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	985
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. Crossing appears to have been removed, but needs to be confirmed. Crossing not found. Limited inspection on LS due to overgrown vegetation. 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 (HLM 5.48). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.48), listed as 10-inch pipe].
FS Date: 6/24/2020 2:24:00 PM

LM Start	5.41	Rating **	M	Issue No.	985 (cont)
LM End	5.41	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_62011_89484.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_62011_89485.jpg



Water-Side: view of WS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.41	Rating **	M	Issue No.	985 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_62011_89486.jpg



Land-Side: view of LS slope.

LM Start	5.42	Rating **	M	Issue No.	986
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:70253
 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. No permit has been identified authorizing pipe. Associated with DSID 20631. (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 (DSID 20631). [Additional Reference(s): DWR Levee Log, 2004 (HLM 5.50), listed as 10-inch pipe (DSID 20631). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.50), listed as 10-inch pipe (DSID 20631).]
 FS Date: 6/25/2020 2:24:00 PM

Photo 1 of 3 : UCIP_FA_2021_70253_89487.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.42	Rating **	M	Issue No.	986 (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 2 of 3 : UCIP_FA_2021_70253_89488.jpg



Water-Side: view of WS slope with repaired levee from erosion around pipe.

LM Start	5.42	Rating **	M	Issue No.	986 (cont)
LM End	5.42	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70253_89489.jpg



Land-Side: view of LS slope with no sign of inlet pipe due to overgrown vegetation limiting inspection.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.42	Rating **	M	Issue No.	987
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:70254
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. No permit has been identified authorizing pipe. Associated with DSID 24050, 8-inch pipe sleeved through this 10-inch pipe. (D.Sanoski - DWR UCIP)
08/23/2013 Recent work being done on WS slope. Pipe may still be in use. (W.Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 6 feet below the crown. 8-inch pipe (DSID 24050) sleeved through this pipe. [Additional Reference(s): DWR Levee Log, 2004 (HLM 5.50). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.50), listed as 10-inch pipe].
FS Date: 6/25/2020 2:53:00 PM

LM Start	5.42	Rating **	M	Issue No.	987 (cont)
LM End	5.42	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_70254_89490.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70254_89491.jpg



Water-Side: view of WS slope and pipe.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.42	Rating **	M	Issue No.	987 (cont)	
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					

Photo 3 of 3 : UCIP_FA_2021_70254_89492.jpg



Land-Side: view of LS slope with no sign of inlet pipe due to overgrown vegetation limiting inspection.

LM Start	5.45	Rating **	C	Issue No.	287
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.880007 °	37.880007 °
				-121.333083 °	-121.333083 °
DWR ID	DWR_RD0524_01_s_2021_287				
Comment Code					
TR : Tree or limb					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.53	Rating **	M	Issue No.	10	
LM End	5.54	Issue Type +	Ma	Location *		
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						
08/20/2021: During the erosion survey, the erosion length was increased to 75 feet.						
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.						

LM Start	5.53	Rating **	M	Issue No.	10 (cont)
LM End	5.54	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_RD0524U01RM46.06_01.JPG



9/24/2020: View of the erosion immediately downstream of irrigation pipe.

Photo 2 of 2 : SJR2021_RD0524U01RM46.06_03.JPG



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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.64	Rating **	A/W	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					

No Photos

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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.65	Rating **	M	Issue No.	988
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:70258
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. 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 (HLM 5.71, listed as 20-inch pipe). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.71), listed as 20-inch pipe].
FS Date: 6/25/2020 2:54:00 PM

LM Start	5.65	Rating **	M	Issue No.	988 (cont)
LM End	5.65	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70258_89499.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70258_89501.jpg



Water-Side: view of WS slope and pipe, walkway, and pump.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.65	Rating **	M	Issue No.	988 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_70258_89500.jpg



Land-Side: view of LS slope and concrete standpipe on toe.

LM Start	5.65	Rating **	M	Issue No.	989
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:70260
 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. 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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 5.71, listed as 20-inch pipe (DSID 20633)). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.71), listed as 20-inch pipe (DSID 20633)].
 FS Date: 6/25/2020 2:55:00 PM

Photo 1 of 3 : UCIP_FA_2021_70260_89503.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.65	Rating **	M	Issue No.	989 (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 2 of 3 : UCIP_FA_2021_70260_89504.jpg



Land-Side: view of electrical conduit into panel at powerpole on toe.

LM Start	5.65	Rating **	M	Issue No.	989 (cont)
LM End	5.65	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70260_89502.jpg



Water-Side: view of electrical conduit through levee.

LM Start	5.66	Rating **	C	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					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.71	Rating **	C	Issue No.	284
LM End	5.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.876367 °	37.876367 °
				-121.332546 °	-121.332546 °
DWR ID	DWR_RD0524_01_s_2021_284				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	5.74	Rating **	M	Issue No.	990	
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 and should be done so properly. (D.Sanoski - DWR UCIP) 08/23/2013 Abandoned and should be done so properly. (W.Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2.25-inch steel conduit for a 1-inch plastic electrical conduit through the levee, 1 feet below the crown. Lines exposed on both slopes. [Additional Reference(s): DWR Levee Log, 2004 (HLM 5.80, listed as 1-inch electrical line)]. FS Date: 6/25/2020 2:55:00 PM						

Photo 1 of 3 : UCIP_FA_2021_62117_89597.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.74	Rating **	M	Issue No.	990 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_62117_89598.jpg



Water-Side: view of WS slope and abandoned conduit.

LM Start	5.74	Rating **	M	Issue No.	990 (cont)
LM End	5.74	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_62117_89599.jpg



Land-Side: view of LS slope and abandoned conduit.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.74	Rating **	M	Issue No.	991	
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	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: 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) 08/23/2013 Appears abandoned and should be done so properly. (W.Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1-inch steel water line through the levee, 1 foot below the crown. Pipe visible only on the lanside (LS) shoulder. FS Date: 6/25/2020 2:56:00 PM						

Photo 1 of 3 : UCIP_FA_2021_62119_89605.jpg



Top of Levee: view of crown.

LM Start	5.74	Rating **	M	Issue No.	991 (cont)
LM End	5.74	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_62119_89607.jpg



Land-Side: view of LS slope and abandoned pipe.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.74	Rating **	M	Issue No.	991 (cont)	
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	20635					

Photo 3 of 3 : UCIP_FA_2021_62119_89606.jpg



Water-Side: view of WS slope.

LM Start	5.74	Rating **	M	Issue No.	186
LM End	5.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.875880 °	37.875880 °
				-121.332766 °	-121.332766 °
DWR ID	DWR_RD0524_01_f_2021_186				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.77	Rating **	A/W	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					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.81	Rating **	M	Issue No.	992	
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					
Comment Code						
Inspector Comment						
DS_ID:20650 FS_ID:70262 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. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel storm drainage pipe through the levee, 5 feet below the crown. Pump on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. Power pole at the LS toe. [Additional Reference(s): DWR Levee Log, 2004 (HLM 5.88)]. FS Date: 6/25/2020 2:56:00 PM						

LM Start	5.81	Rating **	M	Issue No.	992 (cont)
LM End	5.81	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70262_89608.jpg



Overview of Levee: view of assembly on both sides of levee.

Photo 2 of 3 : UCIP_FA_2021_70262_89609.jpg



Water-Side: view of WS slope and pipe.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.81	Rating **	M	Issue No.	992 (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				

Photo 3 of 3 : UCIP_FA_2021_70262_89610.jpg



Land-Side: view of LS slope and pipe with pump.

LM Start	5.81	Rating **	M	Issue No.	993
LM End	5.81	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:70263
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. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)
08/23/2013 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. (W.Wylie - DWR UCIP)
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 (HLM 5.88). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.88), listed as 10-inch pipe].
FS Date: 6/25/2020 2:56:00 PM

Photo 1 of 3 : UCIP_FA_2021_70263_89611.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.81	Rating **	M	Issue No.	993 (cont)
LM End	5.81	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_2021_70263_89613.jpg



Water-Side: view of filled-in standpipe.

LM Start	5.81	Rating **	M	Issue No.	993 (cont)
LM End	5.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70263_89614.jpg



Land-Side: view of LS slope and pipe with pump.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.82	Rating **	M	Issue No.	994	
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) 08/23/2013 Need to verify gasline exists and if so improve signage. (W.Wylie - DWR UCIP) FIELD_STRUCT_DESC: Gas line marker sign on the waterside (WS) shoulder. FS Date: 6/25/2020 2:57:00 PM						

LM Start	5.82	Rating **	M	Issue No.	994 (cont)
LM End	5.82	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_62122_89615.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_62122_89616.jpg



Water-Side: view of WS slope and faded gas marker on shoulder.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.82	Rating **	M	Issue No.	994 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_62122_89617.jpg



Land-Side: view of LS slope with no gas marker.

LM Start	5.86	Rating **	M	Issue No.	995
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:70265
 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. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP)
 FIELD_STRUCT_DESC: 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 (HLM 5.91). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.91), listed as 12-inch pipe, abandoned].
 FS Date: 6/25/2020 2:57:00 PM

Photo 1 of 3 : UCIP_FA_2021_70265_89618.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.86	Rating **	M	Issue No.	995 (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 2 of 3 : UCIP_FA_2021_70265_89619.jpg



Water-Side: view of WS slope with no sign of pipe or concrete structure.

LM Start	5.86	Rating **	M	Issue No.	995 (cont)
LM End	5.86	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70265_89620.jpg



Land-Side: view of LS slope with no sign of pipe.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.87	Rating **	M	Issue No.	996	
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:70266 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. No permit has been identified authorizing pipe. Erosion has been repaired around pipe. (D.Sanoski - DWR UCIP) 08/23/2013 Heavy erosion around pipe upstream of standpipe on LS slope. Verify pipe is not leaking and repair erosion on LS slope. (W.Wylie - DWR UCIP) 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 (HLM 5.93). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (5.93), listed as 12-inch pipe]. FS Date: 6/25/2020 2:57:00 PM						

LM Start	5.87	Rating **	M	Issue No.	996 (cont)
LM End	5.87	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70266_89621.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70266_89622.jpg



Water-Side: view of WS slope with pipe and pump on toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.87	Rating **	M	Issue No.	996 (cont)	
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					

Photo 3 of 3 : UCIP_FA_2021_70266_89623.jpg



Land-Side: view of LS slope with pipe assembly.

LM Start	5.87	Rating **	A/W	Issue No.	15
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.874185 °	37.874185 °
				-121.333110 °	-121.333110 °
DWR ID	DWR_RD0524_01_f_2021_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is minor erosion around the pipe on the waterside of the levee. It appears the erosion could be associated with the pipe and further investigation is necessary to determine the source.					

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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.87	Rating **	M	Issue No.	997	
LM End	5.87	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:70267 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. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. 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						

Photo 1 of 3 : UCIP_FA_2021_70267_89624.jpg



Top of Levee: view of crown.

LM Start	5.87	Rating **	M	Issue No.	997 (cont)
LM End	5.87	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2021_70267_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 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	5.87	Rating **	M	Issue No.	997 (cont)
LM End	5.87	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_2021_70267_89626.jpg



Land-Side: view of LS slope with no sign of crossing.

LM Start	5.93	Rating **	M	Issue No.	274
LM End	6.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.873556 °	37.872879 °
				-121.332463 °	-121.331125 °
DWR ID	DWR_RD0524_01_f _ 2017_274				
Comment Code					
BU : Building					
Inspector Comment					
Chicken coops at landside toe.					

Photo 1 of 1 : FA_2021_RD0524_107_274_20210913_00093.jpg



View of chicken coop buildings along landside easement. Spring 2021

LM Start	6.05	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			37.872431 °	37.872121 °
				-121.330719 °	-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

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.08	Rating **	M	Issue No.	998	
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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 6.15), listed as 6-inch pipe, abandoned.] FS Date: 6/25/2020 2:58:00 PM						

LM Start	6.08	Rating **	M	Issue No.	998 (cont)
LM End	6.08	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_62126_89627.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_62126_89628.jpg



Water-Side: view of WS slope and pipe.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.08	Rating **	M	Issue No.	998 (cont)
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				

Photo 3 of 3 : UCIP_FA_2021_62126_89629.jpg



Land-Side: view of LS slope and pipe.

LM Start	6.13	Rating **	M	Issue No.	283
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.871425 °	37.871425 °
				-121.330261 °	-121.330261 °
DWR ID	DWR_RD0524_01_s_2021_283				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry bushes within the landside easement. Spring 2021					

Photo 1 of 1 : FA_2021_RD0524_107_283_20210913_00094.jpg



View of dense berry bushes along landside easement. Spring 2021

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.15	Rating **	M	Issue No.	999
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:70268
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. No permit has been identified authorizing pipe. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (D.Sanoski - DWR UCIP)
08/23/2013 Pipe and pump abandoned and should be done so properly. (W.Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch irrigation pipe of an unknown material through the levee, 12 feet below the crown.
[Additional Reference(s): DWR Levee Log, 2004 (HLM 6.22). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (6.22), listed as 10-inch pipe].
FS Date: 6/25/2020 2:58:00 PM

LM Start	6.15	Rating **	M	Issue No.	999 (cont)
LM End	6.15	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_70268_89630.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_70268_89631.jpg



Water-Side: view of WS slope and abandoned pipe.

* 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**

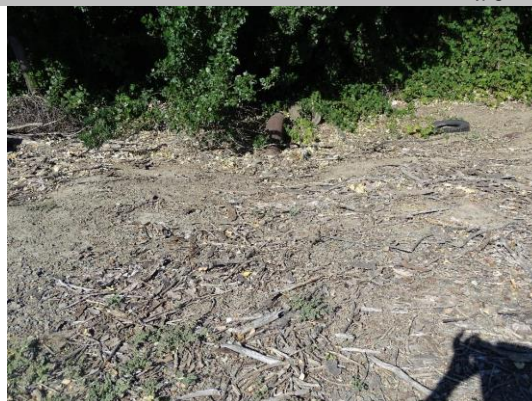
Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.15	Rating **	M	Issue No.	999 (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_2021_70268_89632.jpg



Land-Side: view of LS slope and abandoned pipe.

LM Start	6.15	Rating **	M	Issue No.	1000
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:70269
 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. No permit has been identified authorizing pipe. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (D.Sanoski - DWR UCIP)
 08/23/2013 Abandoned and should be done so properly. (W.Wylie - 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. [Additional Reference(s): DWR Levee Log, 2004 (HLM 6.22), listed as 10-inch pipe.USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (6.22), listed as 10-inch pipe].
 FS Date: 6/25/2020 2:58:00 PM

Photo 1 of 3 : UCIP_FA_2021_70269_89633.jpg



Top of Levee: view of crown.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.15	Rating **	M	Issue No.	1000 (cont)
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				

Photo 2 of 3 : UCIP_FA_2021_70269_89634.jpg



Water-Side: view of WS slope and abandoned conduit.

LM Start	6.15	Rating **	M	Issue No.	1000 (cont)
LM End	6.15	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70269_89635.jpg



Land-Side: view of LS slope and abandoned conduit.

LM Start	6.17	Rating **	M	Issue No.	188
LM End	6.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.870873 °	37.870873 °
				-121.330014 °	-121.330014 °
DWR ID	DWR_RD0524_01_f_2021_188				
Comment Code					
TR : Tree or limb					
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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.17	Rating **	M	Issue No.	187
LM End	6.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.870873 °	37.870733 °
				-121.330014 °	-121.329972 °
DWR ID	DWR_RD0524_01_f_2021_187				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	6.19	Rating **	M	Issue No.	1001	
LM End	6.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.870528 °	37.870528 °	
				-121.329906 °	-121.329906 °	
DWR ID	20642					
Comment Code						
Inspector Comment						
DS_ID:20642 FS_ID:70270 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. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house on the waterside (WS) slope. 36-inch concrete standpipe at the toe of the landside (LS) slope. 1.5-inch electrical conduit at same location with a JP on the LS toe. [Additional Reference(s): DWR Levee Log, 2004 (HLM 6.26). USACE San Joaquin O&M Manual, Unit 7, April 1964, Revised 29 December 2016, (6.26), listed as 12-inch pipe]. FS Date: 6/25/2020 3:00:00 PM						

Photo 1 of 3 : UCIP_FA_2021_70270_89636.jpg



Overview of Levee: view of crown and assembly on both sides.

* 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 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.19	Rating **	M	Issue No.	1001 (cont)
LM End	6.19	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.870528 °	37.870528 °	
			-121.329906 °	-121.329906 °	
DWR ID	20642				

Photo 2 of 3 : UCIP_FA_2021_70270_89637.jpg



Water-Side: view of WS slope with pumphouse and pipe.

LM Start	6.19	Rating **	M	Issue No.	1001 (cont)
LM End	6.19	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2021_70270_89638.jpg



Land-Side: view of LS slope with pipe and concrete standpipe on toe.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.19	Rating **	M	Issue No.	1002	
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					
Comment Code						
Inspector Comment						
DS_ID:20643 FS_ID:62130 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: 8-inch drainage pipe of an unknown material through the levee, 2 feet below the crown. Pump approximately 1400 feet west of the landside (LS) in drainage ditch. [Additional Reference(s): DWR Levee Log, 2004 (HLM 6.26)]. FS Date: 6/25/2020 3:00:00 PM						

LM Start	6.19	Rating **	M	Issue No.	1002 (cont)
LM End	6.19	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2021_62130_89639.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_FA_2021_62130_89641.jpg



Water-Side: view of LS slope.

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

Levee Inspection Report By Mile - Fall 2021

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/22/2021 10/22/2021	Alberto De Leon

LM Start	6.19	Rating **	M	Issue No.	1002 (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 3 of 3 : UCIP_FA_2021_62130_89642.jpg



Land-Side: view of pump and concrete standpipe approximately 1400 feet off LS toe in drainage ditch.

* 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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