

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, 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	<b>0.00</b>	Rating **	A	Issue No.	<b>121</b>
LM End	<b>0.00</b>	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	<b>0.00</b>	Rating **	M	Issue No.	<b>123</b>
LM End	<b>0.00</b>	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	<b>0.00</b>	Rating **	A	Issue No.	<b>138</b>
LM End	<b>0.00</b>	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                      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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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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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	<b>0.18</b>	Rating **	U	Issue No.	<b>9 (cont)</b>
LM End	<b>0.19</b>	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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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		** 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	

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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	<b>0.31</b>	Rating **	M	Issue No.	<b>112</b>
LM End	<b>0.31</b>	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	<b>0.32</b>	Rating **	M	Issue No.	<b>113</b>
LM End	<b>0.32</b>	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	<b>0.32</b>	Rating **	M	Issue No.	<b>118</b>
LM End	<b>0.32</b>	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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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	<b>0.34</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.35</b>	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

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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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.					
LM Start	0.40	Rating **	U	Issue No.	4 (cont)
LM End	0.41	Issue Type +	Ma	Location *	

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.

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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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	<b>0.63</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.64</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021\_RD0524U01RM41.26\_02.JPG



08/20/2021: Close-up view of the erosion.

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

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.						

Photo 1 of 2 : SJR2021\_RD0524U01RM41.34\_01.JPG



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

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

Photo 2 of 2 : SJR2021\_RD0524U01RM41.34\_02.JPG



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

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

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

**Maintenance Issue Types Only, 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	0.76	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.					

LM Start	<b>0.76</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021\_RD0524U01RM41.39\_01.JPG



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

Photo 2 of 2 : SJR2021\_RD0524U01RM41.39\_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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, 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.	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

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.

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

**Maintenance Issue Types Only, 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	<b>0.83</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>0.84</b>	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				

Photo 2 of 2 : SJR2021\_RD0524U01RM41.44\_02.JPG



08/20/2021: View of erosion repair.

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

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

**Maintenance Issue Types Only, 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	<b>0.90</b>	Rating **	C	Issue No.	<b>193</b>
LM End	<b>0.96</b>	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

LM Start	<b>0.93</b>	Rating **	C	Issue No.	<b>327</b>
LM End	<b>0.93</b>	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					
Inspector Comment					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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**

**Maintenance Issue Types Only, 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	0.93	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

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

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

**Maintenance Issue Types Only, 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	<b>0.98</b>	Rating **	M	Issue No.	<b>936 (cont)</b>
LM End	<b>0.98</b>	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.

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

**Maintenance Issue Types Only, 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	<b>0.98</b>	Rating **	M	Issue No.	<b>936 (cont)</b>
LM End	<b>0.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.935163 °	37.935163 °
				-121.331887 °	-121.331887 °
DWR ID	20598				

Photo 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

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

**Maintenance Issue Types Only, 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

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

**Maintenance Issue Types Only, 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	1.13	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

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.						

Photo 1 of 2 : SJR2021\_RD0524U01RM41.79\_01.JPG



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

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

**Maintenance Issue Types Only, 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	<b>1.15</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>1.23</b>	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				

Photo 2 of 2 : SJR2021\_RD0524U01RM41.79\_02.JPG



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

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

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

**Maintenance Issue Types Only, 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	<b>1.22</b>	Rating **	M	Issue No.	<b>322</b>
LM End	<b>1.24</b>	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

LM Start	<b>1.24</b>	Rating **	C	Issue No.	<b>321</b>
LM End	<b>1.24</b>	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

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

**Maintenance Issue Types Only, 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.	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

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

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

**Maintenance Issue Types Only, 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	
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						

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

Photo 1 of 3 : UCIP\_FA\_2021\_70217\_89309.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP\_FA\_2021\_70217\_89310.jpg



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

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

**Maintenance Issue Types Only, 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	<b>1.29</b>	Rating **	M	Issue No.	<b>937 (cont)</b>
LM End	<b>1.29</b>	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 3 of 3 : UCIP\_FA\_2021\_70217\_89311.jpg



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

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  
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**

**Maintenance Issue Types Only, 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	<b>1.55</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>1.64</b>	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				

**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.

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

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

Photo 1 of 3 : SJR2021\_RD0524U01RM42.2\_02.JPG



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

Photo 2 of 3 : SJR2021\_RD0524U01RM42.2\_05.JPG



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

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

**Maintenance Issue Types Only, 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	<b>1.55</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>1.64</b>	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 3 of 3 : SJR2021\_RD0524U01RM42.2\_06.JPG



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

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

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

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

**Maintenance Issue Types Only, 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

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

**Maintenance Issue Types Only, 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	<b>1.93</b>	Rating **	M	Issue No.	<b>317</b>
LM End	<b>1.93</b>	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	<b>1.99</b>	Rating **	M	Issue No.	<b>165</b>
LM End	<b>2.03</b>	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

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>316</b>
LM End	<b>2.00</b>	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

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

**Maintenance Issue Types Only, 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	<b>2.06</b>	Rating **	M	Issue No.	<b>315</b>
LM End	<b>2.06</b>	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

LM Start	<b>2.09</b>	Rating **	A/W	Issue No.	<b>250</b>
LM End	<b>2.09</b>	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	<b>2.13</b>	Rating **	M	Issue No.	<b>166</b>
LM End	<b>2.19</b>	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

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

**Maintenance Issue Types Only, 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	<b>2.27</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>2.29</b>	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	<b>2.29</b>	Rating **	A/W	Issue No.	<b>256</b>
LM End	<b>2.29</b>	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	<b>2.33</b>	Rating **	A/W	Issue No.	<b>133</b>
LM End	<b>2.33</b>	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

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

**Maintenance Issue Types Only, 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	<b>2.34</b>	Rating **	M	Issue No.	<b>167</b>
LM End	<b>2.40</b>	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	<b>2.36</b>	Rating **	M	Issue No.	<b>252</b>
LM End	<b>2.36</b>	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	<b>2.40</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>2.44</b>	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

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

**Maintenance Issue Types Only, 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

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

**Maintenance Issue Types Only, 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	<b>2.50</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>2.50</b>	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	<b>2.53</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.918022 °	37.917373 °	
			-121.322445 °	-121.322785 °	
DWR ID	DWR_RD0524_01_s _ 2012_40				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>2.64</b>	Rating **	U	Issue No.	<b>43</b>
LM End	<b>2.64</b>	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

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

**Maintenance Issue Types Only, 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.	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	2.75	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

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

**Maintenance Issue Types Only, 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	<b>2.80</b>	Rating **	A/W	Issue No.	<b>48</b>
LM End	<b>2.80</b>	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

LM Start	<b>2.81</b>	Rating **	M	Issue No.	<b>172</b>
LM End	<b>2.81</b>	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	<b>2.86</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>2.86</b>	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

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

Looking east at large tree stump on waterward shoulder.

No Photos

No Photos

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, 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	3.23	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

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

**Maintenance Issue Types Only, 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	<b>3.39</b>	Rating **	M	Issue No.	<b>153</b>
LM End	<b>3.39</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.906935 °	37.906935 °	
			-121.325310 °	-121.325310 °	
DWR ID	DWR_RD0524_01_f_2020_153				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>3.48</b>	Rating **	M	Issue No.	<b>304</b>
LM End	<b>3.48</b>	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

LM Start	<b>3.50</b>	Rating **	M	Issue No.	<b>150</b>
LM End	<b>3.61</b>	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

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

**Maintenance Issue Types Only, 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	<b>3.53</b>	Rating **	C	Issue No.	<b>233</b>
LM End	<b>3.54</b>	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	<b>3.56</b>	Rating **	C	Issue No.	<b>234</b>
LM End	<b>3.57</b>	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	<b>3.59</b>	Rating **	N	Issue No.	<b>302</b>
LM End	<b>3.59</b>	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

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

**Maintenance Issue Types Only, 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	3.60	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

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

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

**Maintenance Issue Types Only, 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	<b>3.69</b>	Rating **	M	Issue No.	<b>175</b>
LM End	<b>3.78</b>	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	<b>3.69</b>	Rating **	C	Issue No.	<b>300</b>
LM End	<b>3.69</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.903482 °	37.902482 °	
			-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

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>299</b>
LM End	<b>3.80</b>	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

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

**Maintenance Issue Types Only, 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	3.83	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

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                      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**

**Maintenance Issue Types Only, 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	<b>3.90</b>	Rating **	M	Issue No.	<b>296</b>
LM End	<b>3.90</b>	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	<b>3.92</b>	Rating **	M	Issue No.	<b>143</b>
LM End	<b>3.92</b>	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

LM Start	<b>3.97</b>	Rating **	M	Issue No.	<b>178</b>
LM End	<b>4.02</b>	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

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

**Maintenance Issue Types Only, 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.	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	4.04	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

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

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

**Maintenance Issue Types Only, 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	<b>4.38</b>	Rating **	M	Issue No.	<b>294</b>
LM End	<b>4.56</b>	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

LM Start	<b>4.53</b>	Rating **	C	Issue No.	<b>30</b>
LM End	<b>4.53</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.892230 °	37.892200 °	
			-121.327930 °	-121.328000 °	
DWR ID	LMA-295				
Comment Code					
Inspector Comment					
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.					

No Photos

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

**Maintenance Issue Types Only, 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	<b>4.61</b>	Rating **	A/W	Issue No.	<b>124</b>							
LM End	<b>4.63</b>	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	<b>4.76</b>	Rating **	M	Issue No.	<b>236</b>							
LM End	<b>4.76</b>	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Erosion / Bank Caving		37.889300 °	37.889300 °								
			-121.329800 °	-121.329800 °								
DWR ID	DWR_RD0524_01_s_2020_236											
Comment Code												
E2 : Schedule repair of erosion site prior to the next inspection.												
Inspector Comment												
2017 Storm Damage Site, ID No. 523, LMA-429, Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water.												

Photo 1 of 1 : LEVAL\_FA\_2021\_523\_4217.jpg



LM Start	<b>4.86</b>	Rating **	M	Issue No.	<b>94</b>							
LM End	<b>4.86</b>	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

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

**Maintenance Issue Types Only, 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	<b>4.90</b>	Rating **	M	Issue No.	<b>180</b>
LM End	<b>4.90</b>	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	<b>4.90</b>	Rating **	M	Issue No.	<b>93</b>
LM End	<b>4.92</b>	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

LM Start	<b>4.93</b>	Rating **	M	Issue No.	<b>181</b>
LM End	<b>4.93</b>	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

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

**Maintenance Issue Types Only, 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	<b>4.94</b>	Rating **	M	Issue No.	<b>183</b>
LM End	<b>4.94</b>	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	<b>4.96</b>	Rating **	M	Issue No.	<b>114</b>
LM End	<b>4.98</b>	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

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>182</b>
LM End	<b>5.01</b>	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

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

**Maintenance Issue Types Only, 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	<b>5.03</b>	Rating **	M	Issue No.	<b>177</b>
LM End	<b>5.05</b>	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

LM Start	<b>5.06</b>	Rating **	M	Issue No.	<b>184</b>
LM End	<b>5.06</b>	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	<b>5.09</b>	Rating **	M	Issue No.	<b>176</b>
LM End	<b>5.12</b>	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

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

**Maintenance Issue Types Only, 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	<b>5.14</b>	Rating **	M	Issue No.	<b>173</b>
LM End	<b>5.14</b>	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

LM Start	<b>5.18</b>	Rating **	N	Issue No.	<b>290</b>
LM End	<b>5.18</b>	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	<b>5.19</b>	Rating **	M	Issue No.	<b>289</b>
LM End	<b>5.19</b>	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

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

**Maintenance Issue Types Only, 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	<b>5.21</b>	Rating **	N	Issue No.	<b>288</b>
LM End	<b>5.21</b>	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	<b>5.32</b>	Rating **	M	Issue No.	<b>185</b>
LM End	<b>5.32</b>	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

LM Start	<b>5.34</b>	Rating **	N	Issue No.	<b>90</b>
LM End	<b>5.34</b>	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

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

**Maintenance Issue Types Only, 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	5.36	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

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

**Maintenance Issue Types Only, 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.

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

**Maintenance Issue Types Only, 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	<b>5.41</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.880584 °	37.880584 °
				-121.332901 °	-121.332901 °
DWR ID	20630				

Photo 2 of 3 : UCIP\_FA\_2021\_70252\_89483.jpg



Water-Side: view of WS slope and pipe.

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

Photo 3 of 3 : UCIP\_FA\_2021\_70252\_78506.jpg



LS view - could not find pipe outlet.

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

**Maintenance Issue Types Only, 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	<b>5.42</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>5.42</b>	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.

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

**Maintenance Issue Types Only, 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	<b>5.42</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>5.42</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.880358 °	37.880358 °
				-121.332972 °	-121.332972 °
DWR ID	20631				

Photo 3 of 3 : UCIP\_FA\_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

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

**Maintenance Issue Types Only, 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	<b>5.53</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>5.54</b>	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.

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

**Maintenance Issue Types Only, 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

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

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

**Maintenance Issue Types Only, 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	<b>5.74</b>	Rating **	M	Issue No.	<b>186</b>
LM End	<b>5.74</b>	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	<b>5.77</b>	Rating **	A/W	Issue No.	<b>197</b>
LM End	<b>5.81</b>	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

LM Start	<b>5.87</b>	Rating **	A/W	Issue No.	<b>15</b>
LM End	<b>5.87</b>	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

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

**Maintenance Issue Types Only, 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	6.05	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

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

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

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