

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	<b>0.00</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					
No recent training.					

No Photos

LM Start	<b>0.00</b>	Rating **	M	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 does not appear to have emergency supplies or equipment.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

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

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



View of large animal burrow on waterside hinge. Spring 2020

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

No Photos

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

No Photos

<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	09/25/2020 09/25/2020	Alberto De Leon

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

No Photos

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

No Photos

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

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



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

* 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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**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	<b>0.18</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939085 °	37.939085 °
				-121.343917 °	-121.343917 °
DWR ID	RD0524U01RM40.85				

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



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

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

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



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

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

<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	09/25/2020 09/25/2020	Alberto De Leon

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

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



View of large untrimmed walnut tree on landside slope. Fall 2020

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

No Photos

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

No Photos

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

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

No Photos

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

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

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



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

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



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

* 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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Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

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

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



View of large rodent hole on landside slope. Fall 2019

LM Start	0.36	Rating **	M	Issue No.	120
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.938511 °	37.938511 °
				-121.341300 °	-121.341300 °
DWR ID	DWR_RD0524_01_f_2019_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

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



View of large animal burrow on waterside slope. Spring 2020

**\* 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	09/25/2020 09/25/2020	Alberto De Leon

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

No Photos

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

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

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



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

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



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

<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	09/25/2020 09/25/2020	Alberto De Leon

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

No Photos

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

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



Looking at bamboo on waterward slope. (Spring 2018)

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

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



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

<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	09/25/2020 09/25/2020	Alberto De Leon

LM Start	0.63	Rating **	M	Issue No.	25 (cont)
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.938247 °	37.938247 °
				-121.336503 °	-121.336503 °
DWR ID	RD0524U01RM41.26				

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



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

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

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



View of bamboo on waterside slope. Fall 2019

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

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



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.20	09/25/2020 09/25/2020	Alberto De Leon

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

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



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

LM Start	0.72	Rating **	M	Issue No.	129
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.937268 °	37.937268 °
				-121.335341 °	-121.335341 °
DWR ID	DWR_RD0524_01_f_2019_129				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	0.76	Rating **	U	Issue No.	4
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.936749 °	37.936749 °
				-121.334971 °	-121.334971 °
DWR ID	RD0524U01RM41.39				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.39					
09/24/2020: From 2013 to present, no significant changes were observed during the annual survey.					
08/07/2012: The site has been visited by boat survey. No significant change observed.					
08/23/2011: The site is located immediately upstream of a Railroad bridge. Dense vegetation at the water line blocks the view of erosion.					

LM Start	<b>0.76</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	WS

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



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

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



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable 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 2020**

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

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

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

No Photos

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

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



**\* 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 2020**

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

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

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

No Photos

LM Start	0.83	Rating **	U	Issue No.	10
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935838 °	37.935838 °
				-121.334408 °	-121.334408 °
DWR ID	RD0524U01RM41.44				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.44 09/24/2020: From 2014 to present, no significant changes were observed during the annual survey. The vegetation is tall and limiting the view of the erosion. 08/13/2013: Site was discovered during boat survey. The dense vegetation blocks a clear view of the erosion. Size of erosion site was very roughly estimated.					

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



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	<b>0.90</b>	Rating **	A/W	Issue No.	<b>193 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.935400 °	37.935300 °
				-121.333300 °	-121.333200 °
DWR ID	LMA-443				

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



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

Photo 3 of 3 : LEVAL\_FA\_2020\_537\_4104.jpg



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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	0.91	Rating **	U	Issue No.	3
LM End	0.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935297 °	37.935297 °
				-121.333182 °	-121.333182 °
DWR ID	RD0524U01RM41.5				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.5 09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. Signs of animal activities were noticed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The erosion site is immediately downstream of the riprap protection.					

LM Start	<b>0.91</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2019\_RD0524U01RM41.5\_01.JPG



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

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



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable 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 2020**

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

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

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

No Photos

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

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



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

<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 2020**

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

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

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

**Comment Code**

**Inspector Comment**

DS\_ID:20598  
FS\_ID:61920  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 36-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Landside (LS) end is not visible. Concrete headwall at outlet on the waterside (WS) slope is visible. Pipe appears to be abandoned in place. Slide gate on the WS removed. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.99)].  
FS Date: 6/23/2020 2:32:00 PM

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

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



Concrete headwall visible on WS slope.

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



Slide gate removed from headwall on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

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

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



Top of Levee: view of crown.

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

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



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

LM Start	<b>1.00</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	WS

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



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

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

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



\* 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 2020**

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

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

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

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



Large rodent hole landside shoulder looking downstream. Spring 2019.

LM Start	1.02	Rating **	U	Issue No.	2
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.935078 °	37.935078 °
				-121.331134 °	-121.331134 °
DWR ID	RD0524U01RM41.59				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM41.59					
09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. The erosion is occurring immediately downstream of a repaired site.					
08/07/2012: The site has been visited by boat survey. Site has been repaired, but new erosion occurred at the levee slope and immediately upstream of the repaired site.					
08/23/2011: The site is about 500 ft downstream of bridge. The levee toe seems to be protected, but the protection is being washed away.					

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



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

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



# Reclamation District No. 0524 Middle Roberts Island

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

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

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



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

LM Start	1.16	Rating **	M	Issue No.	19
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.933810 °	37.933810 °
				-121.329317 °	-121.329317 °
DWR ID	DWR_RD0524_01_s_2012_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

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



Looking southeast at low hanging tree branches at waterside toe.

LM Start	1.18	Rating **	M	Issue No.	268
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.933554 °	37.933554 °
				-121.329129 °	-121.329129 °
DWR ID	DWR_RD0524_01_s_2020_268				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<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 2020**

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

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

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

**Comment Code**

**Inspector Comment**

Planned For Repair.  
Levee Evaluation Comments  
Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.  
Site ID No: 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.

LM Start	<b>1.25</b>	Rating **	A/W	Issue No.	<b>222 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : LEVAL\_FA\_2020\_534\_4121.jpg



Photo 2 of 3 : LEVAL\_FA\_2020\_534\_4122.jpg



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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

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

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



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

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	1.29	Rating **	M	Issue No.	940	
LM End	1.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.931977 °	37.931977 °	
				-121.328401 °	-121.328401 °	
DWR ID	20602					
Comment Code						
Inspector Comment						
DS_ID:20602 FS_ID:61927 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/23/2020 Record remains Non-Urgent. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP) 10/2/2018 Pipe appears abandoned, but both the pipe and levee appear in good condition; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).11/16/2016 same as previous inspection both ends are open. This pipe does not appear in use. Need to contact owner to determine status of crossing. If the crossing is abandoned or in use, owner will need to coordinate with the CVFPB to comply with Title 23 requirements. (O. Magana - DWR UCIP)08/16/2013 Pipe appears to be open on both ends. Abandoned and should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through the levee, 3.5 feet below the crown. Pipe is opened on the waterside (WS) and landside (LS) ends. The pump house referenced in O&M manual is missing from the LS (2013). [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.31)]. FS Date: 6/23/2020 2:35:00 PM						

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

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



Pipe visible and open on WS slope.

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



Pipe open and visible on LS slope.

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

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

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

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

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



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

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

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM41.92

09/24/2020: From 2018 to present, no significant changes were observed during the annual survey.

09/13/2017: The erosion has developed along the levee slope. The length of the erosion is nearly doubled comparing to the prior survey.

07/25/2016: From 2014 to present, no significant changes were observed during the annual survey.

08/13/2013: New signs of animal activity were found.

08/07/2012: The site was first reported in 2012 spring levee inspection report.

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



9/24/2020: Overview of the erosion.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



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

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

LM Start	1.33	Rating **	M	Issue No.	28 (cont)
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.931510 °	37.931510 °
				-121.328120 °	-121.328120 °
DWR ID	RD0524U01RM41.95				

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



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

LM Start	1.39	Rating **	M	Issue No.	18
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.930575 °	37.930575 °
				-121.328090 °	-121.328090 °
DWR ID	RD0524U01RM42.03				

**Comment Code**

**Inspector Comment**

Site ID: RD0524U01RM42.03

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

08/07/2012: The site was first reported in 2012 spring levee inspection report. The site is located about 750 ft downstream of SR 4 Bridge.

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

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



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

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



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

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



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

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

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

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



9/24/2020: Overview of the erosion.

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

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



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

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

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

View of tree that need to be trimmed and thinned on landside slope.  
Spring 2020

<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 2020**

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

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

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

Inspector Comment					
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Site ID: RD0524U01RM42.2  
 09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. Several erosion pockets and undermining of the levee toe visible.  
 08/07/2012: The site has been visited by boat survey. No significant change observed  
 08/23/2011: No significant change observed on site. Trees concerned still in place.  
 09/07/2010: No significant change observed on site. The concern here is the undermining of the levee toe where most of trees are. There are erosion pockets lined along the lower slope and at the base of the trees, exposing tree roots. There is minimal slope protection.  
 09/29/2009: The lower slope is lined with minor erosion pockets; some tree roots are exposed; there is visible undermining of the levee toe; site is immediately upstream of the Highway 4 Bridge; the bridge is possibly causing a scour to occur, eroding the bank.

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

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



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

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



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	1.74	Rating **	M	Issue No.	266
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.926258 °	37.925968 °
				-121.326028 °	-121.325776 °
DWR ID	DWR_RD0524_01_s _ 2020_266				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.93	Rating **	M	Issue No.	246
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.923842 °	37.923842 °
				-121.324279 °	-121.324279 °
DWR ID	DWR_RD0524_01_f _ 2017_246				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.00	Rating **	M	Issue No.	185
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.922867 °	37.922486 °
				-121.323837 °	-121.323520 °
DWR ID	DWR_RD0524_01_f _ 2020_185				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<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  
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**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

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

No Photos

LM Start	<b>2.27</b>	Rating **	U	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					
Dense elderberry bushes on landside slope and toe.					

No Photos

LM Start	<b>2.27</b>	Rating **	M	Issue No.	<b>184</b>
LM End	<b>2.38</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.920301 °	37.919036 °
				-121.320168 °	-121.319969 °
DWR ID	DWR_RD0524_01_s_2014_184				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

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

LM Start	2.29	Rating **	U	Issue No.	256
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920223 °	37.920223 °
				-121.319986 °	-121.319986 °
DWR ID	DWR_RD0524_01_s_2020_256				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

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



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

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

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

LM Start	<b>2.33</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

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

No Photos

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

No Photos

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

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

LM Start	<b>2.36</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>2.41</b>	Rating **	U	Issue No.	<b>250</b>
LM End	<b>2.47</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.918796 °	37.918396 °	
			-121.320367 °	-121.321429 °	
DWR ID	DWR_RD0524_01_s _ 2020_250				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>2.48</b>	Rating **	M	Issue No.	<b>249</b>
LM End	<b>2.48</b>	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

<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**

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

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

No Photos

LM Start	2.49	Rating **	U	Issue No.	37
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918345 °	37.918302 °
				-121.321765 °	-121.321923 °
DWR ID	DWR_RD0524_01_s _ 2012_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.50	Rating **	U	Issue No.	38
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918287 °	37.918287 °
				-121.321980 °	-121.321980 °
DWR ID	DWR_RD0524_01_s _ 2012_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	2.51	Rating **	U	Issue No.	160
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918212 °	37.918212 °
				-121.322107 °	-121.322107 °
DWR ID	DWR_RD0524_01_f_2020_160				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

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



View of large rodent hole on landside slope. Fall 2020

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

No Photos

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

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

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

No Photos

LM Start	<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					
Dense elderberry on landside shoulder, slope, and toe.					

No Photos

LM Start	<b>2.69</b>	Rating **	M	Issue No.	<b>241</b>
LM End	<b>2.69</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.916088 °	37.916088 °	
			-121.322177 °	-121.322177 °	
DWR ID	DWR_RD0524_01_s _ 2020_241				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Looking south at untrimmed trees on landward slope.

No Photos

Looking south at several rodent holes on landward slope.

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	<b>2.80</b>	Rating **	U	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>239</b>
LM End	<b>2.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.914967 °	37.914874 °	
			-121.323574 °	-121.323770 °	
DWR ID	DWR_RD0524_01_s _ 2020_239				
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>2.86</b>	Rating **	U	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

**\* 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 2020**

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

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

LM Start	2.88	Rating **	M	Issue No.	224
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.914153 °	37.914153 °
				-121.324351 °	-121.324351 °
DWR ID	DWR_RD0524_01_s_2020_224				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.91	Rating **	N	Issue No.	161
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.913733 °	37.913733 °
				-121.324398 °	-121.324398 °
DWR ID	DWR_RD0524_01_s_2017_161				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_161\_20200901\_00065.jpg



Looking east at large tree stump on waterward shoulder.

LM Start	2.92	Rating **	U	Issue No.	51
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.913598 °	37.913288 °
				-121.324425 °	-121.324476 °
DWR ID	DWR_RD0524_01_s_2012_51				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees on landside slope and toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_51\_20200901\_00025.jpg



View of trees that need to be trimmed and thinned on landside slope. Spring 2020

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	2.92	Rating **	M	Issue No.	50
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.913528 °	37.913528 °
				-121.324434 °	-121.324434 °
DWR ID	DWR_RD0524_01_s_2012_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_50\_20200901\_00024.jpg



Looking southwest at prunings on landside slope.

LM Start	2.96	Rating **	U	Issue No.	924
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.913023 °	37.911366 °
				-121.324507 °	-121.324901 °
DWR ID	DWR_RD0524_01_s_2012_924				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_924\_20200901\_00119.jpg



View of large rodent holes on landside slope. Fall 2019

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	2.96	Rating **	A/W	Issue No.	21
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.913010 °	37.913010 °
				-121.324490 °	-121.324490 °
DWR ID	RD0524U01RM43.52				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM43.52					
09/24/2020: The repair is holding up well; no new erosion is visible. The site will be removed from the erosion survey list in 2021.					
08/13/2019: This erosion has been repaired.					
09/13/2017: A new pocket erosion observed at the erosion site, next to an irrigation pipe.					
07/25/2016: From 2013 to present, no significant changes were observed during the annual survey.					
08/07/2012: The site was first reported in 2012 spring levee inspection report.					

Photo 1 of 1 : SJR2019\_RD0524U01RM43.52\_02.JPG



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

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\_2020\_RD0524\_107\_925\_20200901\_00120.jpg



Looking southwest at the landside slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	3.23	Rating **	M	Issue No.	229
LM End	3.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.909200 °	37.908200 °
				-121.325300 °	-121.325300 °
DWR ID	LMA-293				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
2017 Storm Damage Site ID 466, 528, 527, 467, Slope protection repairs are needed along the waterside slope due to erosion. Notes: Lower priority because damage is only on the lower 1/5 of slope.					

Photo 1 of 1 : LEVAL\_FA\_2020\_466\_2229.jpg



LM Start	3.29	Rating **	A/W	Issue No.	8
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.908036 °	37.908036 °
				-121.325397 °	-121.325397 °
DWR ID	RD0524U01RM43.86				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM43.86					
09/24/2020: No changes observed since the previous inspection. The site will be removed from the erosion survey list in 2021.					
08/13/2019: This erosion site has been repaired.					
09/13/2017: From 2014 to present, no significant changes were observed during the annual survey.					
08/13/2013: The levee toe seems to have been protected by river rocks and vegetation on site.					

Photo 1 of 2 : SJR2019\_RD0524U01RM43.86\_01.JPG



9/24/2020: View of the erosion with repaired section.

<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 2020**

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

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

LM Start	3.29	Rating **	A/W	Issue No.	8 (cont)
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.908036 °	37.908036 °
				-121.325397 °	-121.325397 °
DWR ID	RD0524U01RM43.86				

Photo 2 of 2 : SJR2019\_RD0524U01RM43.86\_03.JPG



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

LM Start	3.31	Rating **	M	Issue No.	216
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.908007 °	37.907574 °
				-121.325428 °	-121.325440 °
DWR ID	DWR_RD0524_01_s_2020_216				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.32	Rating **	M	Issue No.	217
LM End	3.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.907853 °	37.907853 °
				-121.325446 °	-121.325446 °
DWR ID	DWR_RD0524_01_s_2020_217				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_217\_20200901\_00090.jpg



View of downed tree on landside slope. Spring 2020

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 0524 Middle Roberts Island

No Photos

Photo 1 of 1 : FA\_2020\_RD0524\_107\_926\_20200901\_00121.jpg



No Photos

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# Reclamation District No. 0524 Middle Roberts Island

No Photos

Photo 1 of 1 : LEVAL FA 2020 526 4201.jpg



Photo 1 of 1 : LEVAL FA 2020 525 4205.jpg

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	3.61	Rating **	M	Issue No.	209
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.904426 °	37.903760 °
				-121.324582 °	-121.325364 °
DWR ID	DWR_RD0524_01_s_2020_209				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.62	Rating **	M	Issue No.	159
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.904329 °	37.904103 °
				-121.324726 °	-121.325056 °
DWR ID	DWR_RD0524_01_f_2019_159				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.67	Rating **	U	Issue No.	251
LM End	3.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.903776 °	37.903513 °
				-121.325323 °	-121.325494 °
DWR ID	DWR_RD0524_01_f_2017_251				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on waterside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_251\_20200901\_00110.jpg



Looking northwest at the waterside slope.

<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 2020**

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

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

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>149</b>
LM End	<b>3.74</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.903721 °	37.902930 °	
			-121.325389 °	-121.326100 °	
DWR ID	DWR_RD0524_01_f_2020_149				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>3.76</b>	Rating **	M	Issue No.	<b>205</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.902776 °	37.902776 °	
			-121.326224 °	-121.326224 °	
DWR ID	DWR_RD0524_01_s_2020_205				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	<b>3.83</b>	Rating **	M	Issue No.	<b>202</b>
LM End	<b>3.83</b>	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

<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 2020**

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

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

LM Start	3.88	Rating **	M	Issue No.	144
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.901007 °	37.901007 °
				-121.326447 °	-121.326447 °
DWR ID	DWR_RD0524_01_f_2020_144				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.90	Rating **	M	Issue No.	143
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.900701 °	37.900532 °
				-121.326439 °	-121.326445 °
DWR ID	DWR_RD0524_01_f_2020_143				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.94	Rating **	M	Issue No.	140
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.900096 °	37.899148 °
				-121.326516 °	-121.326921 °
DWR ID	DWR_RD0524_01_f_2020_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	<b>3.98</b>	Rating **	M	Issue No.	<b>142</b>							
LM End	<b>3.98</b>	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Animal Control		37.899567 °	37.899567 °								
			-121.326703 °	-121.326703 °								
DWR ID	DWR_RD0524_01_f_2020_142											
Comment Code												
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.												
Inspector Comment												

No Photos

LM Start	<b>4.04</b>	Rating **	M	Issue No.	<b>61</b>							
LM End	<b>4.04</b>	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\_2020\_RD0524\_107\_61\_20200901\_00030.jpg



Looking east at untrimmed tree at landward toe.

LM Start	<b>4.12</b>	Rating **	M	Issue No.	<b>136</b>							
LM End	<b>4.12</b>	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 2020**

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

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

LM Start	4.14	Rating **	C	Issue No.	137
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.897501 °	37.897501 °
				-121.327718 °	-121.327718 °
DWR ID	DWR_RD0524_01_s_2019_137				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.37	Rating **	M	Issue No.	255
LM End	4.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.894442 °	37.894442 °
				-121.329238 °	-121.329238 °
DWR ID	DWR_RD0524_01_f_2017_255				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes around gate stop post.					

No Photos

LM Start	4.38	Rating **	M	Issue No.	111
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.894258 °	37.894258 °
				-121.329247 °	-121.329247 °
DWR ID	DWR_RD0524_01_s_2012_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree at landside toe should be removed from levee toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_111\_20200901\_00052.jpg



Looking west at dead tree at landside toe.

<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 2020**

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

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

LM Start	<b>4.52</b>	Rating **	M	Issue No.	<b>130</b>
LM End	<b>4.52</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.892437 °	37.892437 °	
			-121.328222 °	-121.328222 °	
DWR ID	DWR_RD0524_01_f_2020_130				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>4.52</b>	Rating **	M	Issue No.	<b>192</b>
LM End	<b>4.58</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.892383 °	37.891590 °	
			-121.328194 °	-121.328512 °	
DWR ID	DWR_RD0524_01_s_2020_192				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	4.53	Rating **	A/W	Issue No.	13
LM End	4.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.892274 °	37.892274 °
				-121.328168 °	-121.328168 °
DWR ID	RD0524U01RM45.07				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM45.07					
09/24/2020: The site is being repaired. The repair is approximately 150 ft long.					
08/13/2019: From 2013 to present, no significant changes were observed during the annual survey.					
08/07/2012: The erosion is located at the inside of a river bend. Site is covered with broken concrete blocks and other debris.					

LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2019\_RD0524U01RM45.07\_01.JPG



9/24/2020: Upstream end of the erosion repair.

Photo 2 of 3 : SJR2019\_RD0524U01RM45.07\_02.JPG



9/24/2020: View of the ongoing erosion repair with fill, fabric, and riprap visible.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<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 2020**

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

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

LM Start	4.53	Rating **	A/W	Issue No.	13 (cont)
LM End	4.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.892274 °	37.892274 °
				-121.328168 °	-121.328168 °
DWR ID	RD0524U01RM45.07				

Photo 3 of 3 : SJR2019\_RD0524U01RM45.07\_04.JPG



9/24/2020: Downstream end of the erosion repair.

LM Start	4.53	Rating **	A/W	Issue No.	30
LM End	4.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.892230 °	37.892200 °
				-121.327930 °	-121.328000 °
DWR ID	LMA-295				

**Comment Code**

**Inspector Comment**

Planned For Repair.

Levee Evaluation Comments

Description: Slope protection repairs are needed along the waterside slope due to erosion. Based upon levee inspections, it was determined the waterside levee slopes were eroding, deteriorating and degrading in concave pocket sections at various locations along this levee reach.

The eroded levee sections need to be restored back to design standards to prevent further deterioration of the damaged levee sections.

Site ID No: 468

Site Designation: LMA-295

Repair Type: Erosion

Rating: Serious

Field Date: 7/26/2017

Notes: Serious because erosion is impacting the levee, but there is some slope protection here. Slope is armored with asphalt and concrete rubble. The surrounding slopes are pretty barren, but there is a small bush within the site so it may be older.

Photo 1 of 3 : LEVAL\_FA\_2020\_468\_2219.jpg



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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>30 (cont)</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				

Photo 2 of 3 : LEVAL\_FA\_2020\_468\_2220.jpg



LM Start	<b>4.53</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>4.53</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL\_FA\_2020\_468\_2221.jpg



LM Start	4.61	Rating **	M	Issue No.	191
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.891300 °	37.890999 °
				-121.328751 °	-121.328983 °
DWR ID	DWR_RD0524_01_s_2020_191				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	4.61	Rating **	U	Issue No.	124
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.891298 °	37.891061 °
				-121.328750 °	-121.328938 °
DWR ID	DWR_RD0524_01_f_2020_124				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_124\_20201005\_00222.jpg



View of multiple large rodent holes on landside slope. Fall 2020

LM Start	4.68	Rating **	M	Issue No.	116
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.890314 °	37.890314 °
				-121.329444 °	-121.329444 °
DWR ID	DWR_RD0524_01_f_2020_116				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.70	Rating **	M	Issue No.	99
LM End	4.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.890114 °	37.890114 °
				-121.329540 °	-121.329540 °
DWR ID	DWR_RD0524_01_f_2020_99				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
There is a fig tree on the levee slope.					

No Photos

<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 2020**

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

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

LM Start	4.70	Rating **	U	Issue No.	189
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.890041 °	37.889395 °
				-121.329565 °	-121.329839 °
DWR ID	DWR_RD0524_01_s_2020_189				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_189\_20200901\_00074.jpg



View of multiple large animal burrows on the landside slope. Spring 2020

LM Start	4.75	Rating **	M	Issue No.	166
LM End	4.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.889417 °	37.887686 °
				-121.329833 °	-121.331090 °
DWR ID	DWR_RD0524_01_f_2019_166				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Photo 1 of 1 : LEVAL\_FA\_2020\_523\_4217.jpg



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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	4.86	Rating **	M	Issue No.	94
LM End	4.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.887942 °	37.887942 °
				-121.330656 °	-121.330656 °
DWR ID	DWR_RD0524_01_f_2020_94				
Comment Code					
Inspector Comment					
Gates require maintenance in order to properly open, close and lock.					

No Photos

LM Start	4.91	Rating **	M	Issue No.	84
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.887564 °	37.887184 °
				-121.331259 °	-121.331697 °
DWR ID	DWR_RD0524_01_s_2012_84				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_84\_20200901\_00040.jpg



View of trees that need to be trimmed on landside slope. Spring 2020

LM Start	4.92	Rating **	M	Issue No.	93
LM End	4.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.887477 °	37.887477 °
				-121.331406 °	-121.331406 °
DWR ID	DWR_RD0524_01_f_2020_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	<b>4.94</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 **	U	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		37.886948 °	37.886672 °	
			-121.331834 °	-121.331962 °	
DWR ID	DWR_RD0524_01_s _ 2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on landside slope.					

No Photos

LM Start	<b>5.01</b>	Rating **	M	Issue No.	<b>180</b>
LM End	<b>5.01</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.886289 °	37.886289 °	
			-121.332081 °	-121.332081 °	
DWR ID	DWR_RD0524_01_s _ 2020_180				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	5.03	Rating **	U	Issue No.	177
LM End	5.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.885981 °	37.885641 °
				-121.332130 °	-121.332162 °
DWR ID	DWR_RD0524_01_s_2020_177				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.06	Rating **	U	Issue No.	188
LM End	5.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.885565 °	37.885280 °
				-121.332165 °	-121.332183 °
DWR ID	DWR_RD0524_01_s_2014_188				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Walnut trees on landside slope and toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_188\_20201005\_00221.jpg



View of large untrimmed walnut trees on landside slope. Fall 2020

LM Start	5.10	Rating **	M	Issue No.	176
LM End	5.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.884979 °	37.884671 °
				-121.332212 °	-121.332185 °
DWR ID	DWR_RD0524_01_s_2020_176				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

**\* 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 2020**

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

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

LM Start	5.13	Rating **	M	Issue No.	174
LM End	5.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.884530 °	37.884530 °
				-121.332181 °	-121.332181 °
DWR ID	DWR_RD0524_01_s _ 2020_174				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.14	Rating **	U	Issue No.	173
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.884393 °	37.884112 °
				-121.332159 °	-121.332127 °
DWR ID	DWR_RD0524_01_s _ 2020_173				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.17	Rating **	M	Issue No.	171
LM End	5.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.883953 °	37.883953 °
				-121.332138 °	-121.332138 °
DWR ID	DWR_RD0524_01_s _ 2020_171				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim walnut trees on the levee slope.					

No Photos

<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 2020**

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

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

LM Start	5.17	Rating **	M	Issue No.	170
LM End	5.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.883916 °	37.882357 °
				-121.332146 °	-121.332612 °
DWR ID	DWR_RD0524_01_s_2020_170				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.21	Rating **	M	Issue No.	92
LM End	5.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.883401 °	37.883401 °
				-121.332152 °	-121.332152 °
DWR ID	DWR_RD0524_01_f_2020_92				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.28	Rating **	U	Issue No.	91
LM End	5.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.882380 °	37.881737 °
				-121.332605 °	-121.332772 °
DWR ID	DWR_RD0524_01_f_2020_91				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim walnut trees on the levee slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_91\_20201005\_00220.jpg



View of large untrimmed walnut trees on landside slope. Fall 2020

<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 2020**

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

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

LM Start	5.34	Rating **	N	Issue No.	90
LM End	5.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.881557 °	37.881557 °
				-121.332807 °	-121.332807 °
DWR ID	DWR_RD0524_01_f_2020_90				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.36	Rating **	N	Issue No.	89	
LM End	5.36	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.881172 °		37.881172 °
				-121.332842 °		-121.332842 °
DWR ID	DWR_RD0524_01_f_2020_89					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

LM Start	5.38	Rating **	U	Issue No.	932
LM End	5.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.880945 °	37.880522 °
				-121.332837 °	-121.332918 °
DWR ID	DWR_RD0524_01_s_2012_932				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim walnut trees on the levee slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_932\_20201005\_00219.jpg



View of large untrimmed walnut trees on landside slope. Fall 2020

<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 2020**

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

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

LM Start	5.40	Rating **	M	Issue No.	178
LM End	5.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.880719 °	37.880719 °
				-121.332899 °	-121.332899 °
DWR ID	DWR_RD0524_01_f _ 2014_178				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on landside toe.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_178\_20200901\_00069.jpg



Looking south at downed tree on landward slope.

<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 2020**

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

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

LM Start	5.41	Rating **	M	Issue No.	987	
LM End	5.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.880584 °	37.880584 °	
				-121.332901 °	-121.332901 °	
DWR ID	20630					
Comment Code						
Inspector Comment						
DS_ID:20630 FS_ID:62007 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 06/24/2020 Record updated from Urgent to Non-Urgent. Pipe damage visible on WS. Limited inspection on LS due to overgrown vegetation. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Crossing appears abandoned. (D.Sanoski - DWR UCIP) 10/2/2018 Same as last inspection. Holes present in pipe pose a potential threat to levee's internal integrity. Recommend video inspection (D. Sanoski - DWR UCIP).11/16/2016 same as previous inspection hole in pipe is still present on WS near toe. This pipe does not appear to be in use. Need to contact owner to determine status of crossing. If the crossing is abandoned or still in use, owner will need to coordinate with the CVFPB to comply with Title 23 requirements. (O. Magana - DWR UCIP)08/23/2013 flap gate damage and does not work at WS toe. Large hole in pipe at WS toe. Pipe appears abandoned and should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 12-inch steel irrigation pipe through the levee, 6 feet below the crown. Pump located on the waterside (WS), no pump found in 2013. Flap gate located on the WS end. [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.48) 10-inch pipe listed, Drawing No. 07-04-1490, Sheet 1490/4, (Station 8+01.3)]. FS Date: 6/24/2020 2:53:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_62007\_30689.jpg



Pipe visible on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	5.41	Rating **	M	Issue No.	987 (cont)	
LM End	5.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.880584 °	37.880584 °	
				-121.332901 °	-121.332901 °	
DWR ID	20630					

Photo 2 of 3 : UCIP\_FA\_2020\_62007\_30688.jpg



Vent on pipe on WS slope. Possible slurry standpipe that has not yet been used.

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_62007\_30687.jpg



Broken flap gate at WS toe.

LM Start	5.42	Rating **	M	Issue No.	83
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.880355 °	37.880355 °
				-121.332986 °	-121.332986 °
DWR ID	DWR_RD0524_01_f_2020_83				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	5.42	Rating **	M	Issue No.	990	
LM End	5.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.880358 °	37.880358 °	
				-121.332972 °	-121.332972 °	
DWR ID	20631					
Comment Code						
Inspector Comment						
DS_ID:20631 FS_ID:62014 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 06/25/2020 Record remains Non-Urgent. Limited inspection on LS due to overgrown vegetation. Unauthorized encroachment recorded in Levee Log prior to 2011. No permit has been identified authorizing pipe. Recommend combining this DSID with 24050 due to same location and 8-inch pipe sleeved through this 10-inch pipe. (D.Sanoski - DWR UCIP) Recent work being done on WS slope. Pipe may still be in use. FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 6 feet below the crown. Pump not found on the landside (LS). [Additional Reference(s): DWR Levee Log, 2004. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.50)]. FS Date: 6/25/2020 2:53:00 PM						

LM Start	5.42	Rating **	M	Issue No.	990 (cont)
LM End	5.42	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_62014\_30706.jpg



10-inch pipe debris on the WS slope.

Photo 2 of 3 : UCIP\_FA\_2020\_62014\_30705.jpg



8-inch pipe sleeved through 10-inch pipe with vent on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	5.42	Rating **	M	Issue No.	990 (cont)
LM End	5.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.880358 °	37.880358 °
				-121.332972 °	-121.332972 °
DWR ID	20631				

Photo 3 of 3 : UCIP\_FA\_2020\_62014\_30704.jpg



No flap gate on end of pipe at WS toe.

LM Start	5.43	Rating **	U	Issue No.	73
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.880220 °	37.879926 °
				-121.333031 °	-121.333125 °
DWR ID	DWR_RD0524_01_s_2012_73				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim walnut trees on the levee slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_73\_20200901\_00035.jpg

View of trees that need to be trimmed and thinned on landside slope.  
Spring 2020

LM Start	5.46	Rating **	M	Issue No.	169
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.879881 °	37.879449 °
				-121.333131 °	-121.333181 °
DWR ID	DWR_RD0524_01_s_2020_169				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable 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 2020**

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

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

LM Start	5.53	Rating **	M	Issue No.	6
LM End	5.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878798 °	37.878798 °
				-121.333111 °	-121.333111 °
DWR ID	RD0524U01RM46.06				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM46.06					
09/24/2020: From 2014 to present, no significant changes were observed during the annual survey. Vegetation is limiting the view but undercutting of the levee toe is still visible.					
08/13/2013: Larger trees are at the levee shoulder, and an irrigation pump station is next to the erosion site.					

Photo 1 of 2 : SJR2019\_RD0524U01RM46.06\_01.JPG



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

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>5.53</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM46.06\_03.JPG



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

LM Start	5.58	Rating **	M	Issue No.	82
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.878097 °	37.878097 °
				-121.332738 °	-121.332738 °
DWR ID	DWR_RD0524_01_f_2020_82				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<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 2020**

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

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

LM Start	5.64	Rating **	M	Issue No.	141
LM End	5.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.877361 °	37.876251 °
				-121.332368 °	-121.332618 °
DWR ID	DWR_RD0524_01_s_2019_141				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_141\_20200901\_00059.jpg



View of multiple rodent holes on landside slope. Fall 2019

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 **	M	Issue No.	117	
LM End	5.66	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.877100 °		37.877100 °
				-121.332323 °		-121.332323 °
DWR ID	DWR_RD0524_01_f_2013_117					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 1 of 1 : FA\_2020\_RD0524\_107\_117\_20201005\_00218.jpg



View of large untrimmed walnut tree on landside slope. Fall 2020

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



# Reclamation District No. 0524 Middle Roberts Island

No Photos

Looking east at the waterside slope.

Looking north at typical view of rodent holes on landward slope.

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	5.86	Rating **	M	Issue No.	75
LM End	5.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.874240 °	37.874002 °
				-121.333187 °	-121.333027 °
DWR ID	DWR_RD0524_01_s_2012_75				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows are on waterside and landside levee slopes.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_75\_20200901\_00036.jpg



View of rodent holes on waterside slope.

LM Start	5.87	Rating **	M	Issue No.	12
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.874185 °	37.874185 °
				-121.333110 °	-121.333110 °
DWR ID	RD0524U01RM46.39				
Comment Code					
Inspector Comment					
Site ID: RD0524U01RM46.39 09/24/2020: From 2013 to present, no significant changes were observed during the annual survey. 08/07/2012: The erosion is near a water-intake structure. Pipe leakage likely caused the erosion.					

Photo 1 of 2 : SJR2019\_RD0524U01RM46.39\_01.JPG



9/24/2020: Overview of the pipe crossing at the erosion site.

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>5.87</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2019\_RD0524U01RM46.39\_02.JPG



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	5.87	Rating **	M	Issue No.	98
LM End	5.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.874085 °	37.874085 °
				-121.333154 °	-121.333154 °
DWR ID	DWR_RD0524_01_s_2012_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed walnut tree on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_98\_20201005\_00217.jpg



View of large untrimmed walnut tree on landside slope. Fall 2020

LM Start	5.95	Rating **	C	Issue No.	134
LM End	5.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.873378 °	37.873378 °
				-121.332131 °	-121.332131 °
DWR ID	DWR_RD0524_01_s_2020_134				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.97	Rating **	M	Issue No.	128
LM End	5.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.873259 °	37.873259 °
				-121.331869 °	-121.331869 °
DWR ID	DWR_RD0524_01_s_2020_128				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

\* 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 2020**

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

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

LM Start	6.08	Rating **	M	Issue No.	272
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.872121 °	37.872121 °
				-121.330568 °	-121.330568 °
DWR ID	DWR_RD0524_01_f_2017_272				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.08	Rating **	C	Issue No.	147
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.872017 °	37.872017 °
				-121.330487 °	-121.330487 °
DWR ID	DWR_RD0524_01_f_2020_147				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	6.15	Rating **	M	Issue No.	81
LM End	6.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.871097 °	37.871097 °
				-121.330100 °	-121.330100 °
DWR ID	DWR_RD0524_01_s_2015_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree branches and limbs on landside slope.					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_81\_20200901\_00039.jpg



View of tree branches on landside slope. Spring 2020

<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**

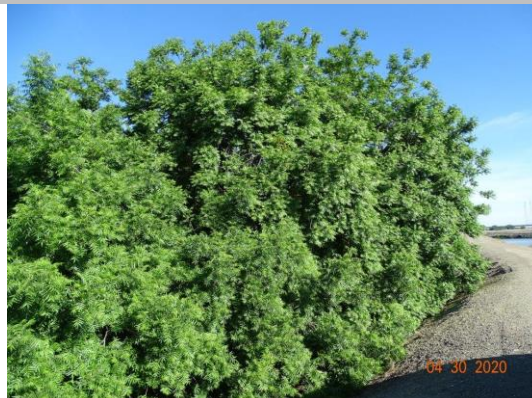
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020**

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

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

LM Start	6.15	Rating **	U	Issue No.	103
LM End	6.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.871083 °	37.870699 °
				-121.330133 °	-121.329990 °
DWR ID	DWR_RD0524_01_s_2020_103				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_103\_20200901\_00047.jpg



View of trees on landside slope that need to be trimmed and thinned. Spring 2020

LM Start	6.18	Rating **	U	Issue No.	104
LM End	6.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.870700 °	37.870700 °
				-121.329992 °	-121.329992 °
DWR ID	DWR_RD0524_01_s_2020_104				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD0524\_107\_104\_20200901\_00048.jpg



View of large animal burrow on landside slope. Spring 2020

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