

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	66
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		°	°	°
DWR ID	DWR_RD0544_01_s_2012_66				
Action/Comments					
Inspector Comments: LMA has a good working knowledge of flood response. LMA has not been involved in flood training for several years.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	71
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		°	°	°
DWR ID	DWR_RD0544_01_s_2013_71				
Action/Comments					
Inspector Comments: LMA has a copy of O&M manual on file in the office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	72
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_RD0544_01_s_2013_72				
Action/Comments					
Inspector Comments: LMA maintains an adequate supply of floodfight material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	61
LM End	0.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.864359 °	37.864011 °	
			-121.324939 °	-121.323562 °	
DWR ID	DWR_RD0544_01_f_2013_61				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	0.01	Rating **	M	Issue No.	92
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.870285 °	37.870285 °	
			-121.329822 °	-121.329822 °	
DWR ID	DWR_RD0544_01_f_2014_92				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.23	Rating **	M	Issue No.	4
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.867590 °	37.867590 °	
			-121.327813 °	-121.327813 °	
DWR ID	DWR_RD0544_01_s_2012_4				
Action/Comments					
Equipment Inspector Comments: Farm equipment and supplies stored at landside toe.					

Photo 1 of 2 : FA_2014_RD0544_108_4_20141020_00003.jpg



Looking north at equipment along landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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LM Start	0.23	Rating **	M	Issue No.	4 (cont)
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.867590 °	37.867590 °	
			-121.327813 °	-121.327813 °	
DWR ID	DWR_RD0544_01_s_2012_4				
Action/Comments					
Equipment Inspector Comments: Farm equipment and supplies stored at landside toe.					

Photo 2 of 2 : FA_2014_RD0544_108_4_20141020_00004.jpg



Looking south at equipment along landside toe.

LM Start	0.41	Rating **	C	Issue No.	46
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.864820 °	37.864820 °	
			-121.327200 °	-121.327200 °	
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: Repaired site. No significant change observed. 08/13/2013: Repaired site. No new erosion found at the site. 08/07/2012: The site has been visited by boat survey. The site has been repaired with riprap protection. Rotten tree roots and minor erosion are visible immediately upstream of the site 08/23/2011: No significant change observed on site. 09/07/2010: No significant change observed on site. There are minor pockets of erosion lining the lower slope and undermining of the toe. There are annual grasses and emergent vegetation at the lower slope. Burrow holes were observed along the slope and persist throughout the 200-foot long site. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 09/30/2009: No major change observed since last visit; despite dense vegetation, the bank continues to erode and slough; the levee toe is being undermined; note the tree on site; the site was previously rated "U". 10/21/2008: Undermining of the levee toe; rodent holes in several location; trees with roots partially exposed; sloughing on slope. [2014 Site ID:RD0544U01RM47.12]					

No Photos

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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.41	Rating **	M	Issue No.	2
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.864958 °	37.864958 °	
			-121.327142 °	-121.327142 °	
DWR ID	DWR_RD0544_01_s_2012_2				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.45	Rating **	M	Issue No.	6
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.864713 °	37.864713 °	
			-121.326708 °	-121.326708 °	
DWR ID	DWR_RD0544_01_f_2013_6				
Action/Comments					
Prunings Inspector Comments: Broken tree limbs on waterward slope and berm.					

Photo 1 of 1 : FA_2014_RD0544_108_6_20141023_00055.jpg



Looking southeast at tree branch on waterward slope.

LM Start	0.48	Rating **	M	Issue No.	3
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.864578 °	37.863753 °	
			-121.326210 °	-121.322835 °	
DWR ID	DWR_RD0544_01_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 2 : FA_2014_RD0544_108_3_20141020_00001.jpg



Looking south at typical view of levee. (Spring 2014)

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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.48	Rating **	M	Issue No.	3 (cont)
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.864578 °	37.863753 °	
			-121.326210 °	-121.322835 °	
DWR ID	DWR_RD0544_01_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 2 of 2 : FA_2014_RD0544_108_3_20141020_00002.jpg



Looking south at overgrown on landward and waterward slopes.

LM Start	0.74	Rating **	A/W	Issue No.	12
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.863380 °	37.863380 °	
			-121.321897 °	-121.321897 °	
DWR ID	DWR_RD0544_01_s_2012_12				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	0.78	Rating **	M	Issue No.	73
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees				
DWR ID	DWR_RD0544_01_f_2013_73				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.81	Rating **	M	Issue No.	93
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.862694 °	37.862694 °	
			-121.320887 °	-121.320887 °	
DWR ID	DWR_RD0544_01_f_2014_93				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.13	Rating **	M	Issue No.	39
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.859423 °	37.859423 °	
			-121.318328 °	-121.318328 °	
DWR ID	DWR_RD0544_01_s_2012_39				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.14	Rating **	M	Issue No.	15
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.859287 °	37.854252 °	
			-121.318333 °	-121.324092 °	
DWR ID	DWR_RD0544_01_s_2012_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0544_108_15_20141023_00056.jpg



Looking southeast at dense vegetation on landward toe.

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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	89
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.857321 °	37.857321 °	
			-121.319943 °	-121.319943 °	
DWR ID	DWR_RD0544_01_s_2014_89				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.33	Rating **	A/W	Issue No.	19
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.857042 °	37.855792 °	
			-121.320480 °	-121.321212 °	
DWR ID	DWR_RD0544_01_s_2012_19				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.44	Rating **	N	Issue No.	13
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.855778 °	37.855778 °	
			-121.321206 °	-121.321206 °	
DWR ID	DWR_RD0544_01_s_2012_13				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.45	Rating **	N	Issue No.	14
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.855583 °	37.855583 °	
			-121.321177 °	-121.321177 °	
DWR ID	DWR_RD0544_01_s_2012_14				
Action/Comments					
Tree stumps.					

No Photos

LM Start	1.49	Rating **	M	Issue No.	94
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.855097 °	37.854722 °	
			-121.321136 °	-121.321072 °	
DWR ID	DWR_RD0544_01_f_2014_94				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0544_108_94_20141023_00057.jpg



Looking north at vegetation on waterward shoulder and slope.

LM Start	1.49	Rating **	A/W	Issue No.	42
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.855087 °	37.854187 °	
			-121.321127 °	-121.321055 °	
DWR ID	DWR_RD0544_01_s_2012_42				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.56	Rating **	M	Issue No.	64
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.854081 °	37.854081 °	
			-121.321268 °	-121.321268 °	
DWR ID	DWR_RD0544_01_f_2013_64				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Damaged levee slope due to fishermen using slope as a ramp.					

Photo 1 of 2 : FA_2014_RD0544_108_64_20141020_00032.jpg



Looking east at damaged waterward slope.

LM Start	1.56	Rating **	M	Issue No.	64 (cont)
LM End	1.56	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD0544_108_64_20141020_00033.jpg



Looking northeast at waterward slope.

LM Start	1.58	Rating **	A/W	Issue No.	43
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.854108 °	37.854837 °	
			-121.321582 °	-121.323280 °	
DWR ID	DWR_RD0544_01_s_2012_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.60	Rating **	M	Issue No.	95
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.854299 °	37.854299 °	
			-121.321865 °	-121.321865 °	
DWR ID	DWR_RD0544_01_f_2014_95				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.64	Rating **	M	Issue No.	96
LM End	1.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.854681 °	37.854681 °	
			-121.322493 °	-121.322493 °	
DWR ID	DWR_RD0544_01_f_2014_96				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	1.73	Rating **	A/W	Issue No.	55
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.854530 °	37.852850 °	
			-121.323870 °	-121.324058 °	
DWR ID	DWR_RD0544_01_s_2012_55				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.80	Rating **	A/W	Issue No.	20
LM End	1.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.853445 °	37.853445 °	
			-121.324227 °	-121.324227 °	
DWR ID	DWR_RD0544_01_s_2012_20				
Action/Comments					
Prunings					

No Photos

LM Start	1.83	Rating **	M	Issue No.	5
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.853188 °	37.853188 °	
			-121.324145 °	-121.324145 °	
DWR ID	DWR_RD0544_01_s_2013_5				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damaged by vehicle traffic.					

Photo 1 of 1 : FA_2014_RD0544_108_5_20141020_00005.jpg



Looking east at landward slope damaged by vehicle traffic.

LM Start	1.86	Rating **	A/W	Issue No.	21
LM End	1.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.852771 °	37.852771 °	
			-121.324014 °	-121.324014 °	
DWR ID	DWR_RD0544_01_s_2012_21				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.95	Rating **	A/W	Issue No.	44
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.851615 °	37.848105 °	
			-121.323210 °	-121.324857 °	
DWR ID	DWR_RD0544_01_s_2012_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.01	Rating **	A/W	Issue No.	90
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.850825 °	37.850825 °	
			-121.322475 °	-121.322475 °	
DWR ID	DWR_RD0544_01_s_2014_90				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA grouted rodent hole on levee crown.					

Photo 1 of 2 : FA_2014_RD0544_108_90_20141020_00042.jpg



Looking at rodent hole on levee crown.

LM Start	2.01	Rating **	A/W	Issue No.	90 (cont)
LM End	2.01	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA_2014_RD0544_108_90_20141023_00058.jpg



Looking at grouted rodent hole on levee crown.

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Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.01	Rating **	C	Issue No.	77
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.850534 °	37.850534 °
				-121.322285 °	-121.322285 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: The erosion was repaired. 08/13/2013: No significant change observed. 08/07/2012: The erosion is right at the inside of a river bend. Dense vegetation is visible at the site. [2014 Site ID:RD0544U01RM48.81]					

No Photos

LM Start	2.03	Rating **	M	Issue No.	97
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.850632 °	37.848206 °
				-121.322501 °	-121.324869 °
DWR ID	DWR_RD0544_01_f_2014_97				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.28	Rating **	M	Issue No.	98
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.848021 °	37.847343 °
				-121.324839 °	-121.324672 °
DWR ID	DWR_RD0544_01_f_2014_98				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.28	Rating **	U	Issue No.	23
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.847985 °	37.847985 °	
			-121.324837 °	-121.324837 °	
DWR ID	DWR_RD0544_01_s_2012_23				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Caving/erosion around irrigation pipe on landside slope.					

Photo 1 of 3 : FA_2014_RD0544_108_23_20141023_00059.jpg



Looking south at erosion around irrigation pipe on landside slope. (Fall 2014)

LM Start	2.28	Rating **	U	Issue No.	23 (cont)
LM End	2.28	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2014_RD0544_108_23_20141020_00019.jpg



Looking north at erosion under irrigation pipe on landside slope.

LM Start	2.28	Rating **	U	Issue No.	23 (cont)
LM End	2.28	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2014_RD0544_108_23_20141020_00018.jpg



Looking east at erosion under irrigation pipe on landside slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.29	Rating **	M	Issue No.	8
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.847973 °	37.847105 °	
			-121.324820 °	-121.324577 °	
DWR ID	DWR_RD0544_01_s_2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.31	Rating **	M	Issue No.	34
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.847686 °	37.846743 °	
			-121.324780 °	-121.324336 °	
DWR ID	DWR_RD0544_01_s_2012_34				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	7
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.847108 °	37.847108 °	
			-121.324585 °	-121.324585 °	
DWR ID	DWR_RD0544_01_s_2012_7				
Action/Comments					
Garbage Inspector Comments: Garbage and prunings at landside toe.					

Photo 1 of 1 : FA_2014_RD0544_108_7_20141020_00006.jpg



Looking southwest at garbage at landside toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.38	Rating **	M	Issue No.	74
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.846687 °	37.846687 °	
			-121.324278 °	-121.324278 °	
DWR ID	DWR_RD0544_01_f_2013_74				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.38	Rating **	M	Issue No.	65
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.846660 °	37.846660 °	
			-121.324240 °	-121.324240 °	
DWR ID	DWR_RD0544_01_s_2013_65				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	2.48	Rating **	M	Issue No.	99
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.845640 °	37.837391 °	
			-121.322975 °	-121.317456 °	
DWR ID	DWR_RD0544_01_f_2014_99				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0544_108_99_20141023_00061.jpg



Looking south at dense vegetation on waterward shoulder and slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	60
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.844337 °	37.844337 °	
			-121.321853 °	-121.321853 °	
DWR ID	DWR_RD0544_01_s_2012_60				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 2 : FA_2014_RD0544_108_60_20141020_00028.jpg



Looking north at slope damage on landside slope.

LM Start	2.58	Rating **	M	Issue No.	60 (cont)
LM End	2.58	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD0544_108_60_20141020_00029.jpg



Looking south at slope damage on landside slope.

LM Start	2.67	Rating **	M	Issue No.	100
LM End	2.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.843262 °	37.840656 °	
			-121.321666 °	-121.318590 °	
DWR ID	DWR_RD0544_01_f_2014_100				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0544_108_100_20141023_00063.jpg



Looking south at vegetation on levee crown.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.86	Rating **	N	Issue No.	22
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.841075 °	37.841075 °	
			-121.320205 °	-121.320205 °	
DWR ID	DWR_RD0544_01_s_2012_22				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.94	Rating **	U	Issue No.	78
LM End	2.94	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.840697 °	37.840697 °	
			-121.318252 °	-121.318252 °	
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: Pump has been removed. A larger pocket erosion has been found at the erosion site. 08/07/2012: The erosion is immediately upstream of a river bend. Dense vegetation is visible at the erosion site. [2014 Site ID:RD0544U01RM49.67]					

Photo 1 of 1 : SJR2014_RD0544U01RM49.67_1.jpg



Upstream view of the site.

LM Start	2.98	Rating **	M	Issue No.	47
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.840485 °	37.837225 °	
			-121.318390 °	-121.317408 °	
DWR ID	DWR_RD0544_01_s_2012_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.98	Rating **	C	Issue No.	75
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		°	°	
DWR ID	DWR_RD0544_01_f_2013_75				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Hole on levee crown shoulder. Hole is 16"x18"x24.Hole is undermining back toward landward slope.					

No Photos

LM Start	3.15	Rating **	M	Issue No.	76
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.837929 °	37.837929 °	
			-121.317663 °	-121.317663 °	
DWR ID	DWR_RD0544_01_f_2013_76				
Action/Comments					
Repair slope instability. Inspector Comments: Slope damaged extends from levee slope to shoulder.					

Photo 1 of 1 : FA_2014_RD0544_108_76_20141020_00038.jpg



Looking east at slope damage on waterward slope.

LM Start	3.19	Rating **	M	Issue No.	62
LM End	3.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.837530 °	37.837530 °	
			-121.317510 °	-121.317510 °	
DWR ID	DWR_RD0544_01_s_2012_62				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Slope damage due to foot traffic.					

Photo 1 of 1 : FA_2014_RD0544_108_62_20141020_00030.jpg



Looking east at slope damaged by foot traffic near pump house on waterside of levee.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.25	Rating **	M	Issue No.	49
LM End	3.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.836763 °	37.829195 °	
			-121.317307 °	-121.311918 °	
DWR ID	DWR_RD0544_01_s_2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.26	Rating **	M	Issue No.	48
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.836615 °	37.836133 °	
			-121.317285 °	-121.317153 °	
DWR ID	DWR_RD0544_01_s_2012_48				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	3.32	Rating **	M	Issue No.	50
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.835815 °	37.835815 °	
			-121.316997 °	-121.316997 °	
DWR ID	DWR_RD0544_01_s_2012_50				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion located on waterside shoulder. Erosion caused by rain runoff.					

Photo 1 of 1 : FA_2014_RD0544_108_50_20141023_00071.jpg



Looking east at erosion on waterward slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.51	Rating **	M	Issue No.	56
LM End	3.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.833583 °	37.833583 °	
			-121.314968 °	-121.314968 °	
DWR ID	DWR_RD0544_01_s_2012_56				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	3.52	Rating **	M	Issue No.	51
LM End	4.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.833432 °	37.821853 °	
			-121.314792 °	-121.319992 °	
DWR ID	DWR_RD0544_01_s_2012_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.93	Rating **	M	Issue No.	102
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.828372 °	37.822028 °	
			-121.311607 °	-121.319429 °	
DWR ID	DWR_RD0544_01_f_2014_102				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.95	Rating **	M	Issue No.	24
LM End	3.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.828120 °	37.828120 °	
			-121.311504 °	-121.311504 °	
DWR ID	DWR_RD0544_01_s_2012_24				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	3.97	Rating **	A/W	Issue No.	63
LM End	4.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.827800 °	37.824953 °	
			-121.311332 °	-121.314988 °	
DWR ID	DWR_RD0544_01_s_2012_63				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

Photo 1 of 1 : FA_2014_RD0544_108_63_20141020_00031.jpg



Looking south at one of several sites needing gravel or road base on levee crown.

LM Start	4.06	Rating **	M	Issue No.	11
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.826621 °	37.826315 °	
			-121.310820 °	-121.311024 °	
DWR ID	DWR_RD0544_01_s_2012_11				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.18	Rating **	M	Issue No.	52
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.825762 °	37.825005 °	
			-121.312393 °	-121.314982 °	
DWR ID	DWR_RD0544_01_s_2012_52				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.21	Rating **	M	Issue No.	79
LM End	4.22	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.825248 °	37.825248 °	
			-121.313856 °	-121.313856 °	
DWR ID					
Action/Comments					
Inspector Comments: 06/19/2014: No significant change observed. 08/13/2013: The erosion has been caused by irrigation pipe. [2014 Site ID:RD0544U01RM51.04]					

Photo 1 of 1 : SJR2014_RD0544U01RM51.04_1.jpg



View from upstream of the site.

LM Start	4.28	Rating **	M	Issue No.	57
LM End	4.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.825517 °	37.822955 °	
			-121.314160 °	-121.316835 °	
DWR ID	DWR_RD0544_01_s_2012_57				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.32	Rating **	U	Issue No.	101
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.824360 °	37.824360 °	
			-121.314360 °	-121.314360 °	
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: This erosion has been caused by instability of the levee . Larger trees exist downstream of the erosion site. [2014 Site ID:RD0544U01RM51.09]					

Photo 1 of 1 : SJR2014_RD0544U01RM51.09_1.jpg



View from downstream.

LM Start	4.32	Rating **	C	Issue No.	25
LM End	4.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.825151 °	37.825151 °	
			-121.314826 °	-121.314826 °	
DWR ID	DWR_RD0544_01_s_2012_25				
Action/Comments					
Garbage Inspector Comments: Old concrete pipes on landside toe should be removed.					

No Photos

LM Start	4.33	Rating **	A/W	Issue No.	58
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.825035 °	37.825035 °	
			-121.314967 °	-121.314967 °	
DWR ID	DWR_RD0544_01_s_2012_58				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Depression across levee crown					

Photo 1 of 2 : FA_2014_RD0544_108_58_20141020_00026.jpg



Looking southeast at depression on waterside shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.33	Rating **	A/W	Issue No.	58 (cont)
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.825035 °	37.825035 °
				-121.314967 °	-121.314967 °
DWR ID	DWR_RD0544_01_s_2012_58				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Depression across levee crown					

Photo 2 of 2 : FA_2014_RD0544_108_58_20141020_00027.jpg



Looking south at depression greater than 6" on waterside shoulder.

LM Start	4.34	Rating **	M	Issue No.	59
LM End	4.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.824943 °	37.824943 °
				-121.315008 °	-121.315008 °
DWR ID	DWR_RD0544_01_s_2012_59				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	4.44	Rating **	M	Issue No.	54
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.823617 °	37.808766 °
				-121.315550 °	-121.328198 °
DWR ID	DWR_RD0544_01_s_2012_54				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.52	Rating **	M	Issue No.	103
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.823027 °	37.823027 °	
			-121.316737 °	-121.316737 °	
DWR ID	DWR_RD0544_01_f_2014_103				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	4.53	Rating **	U	Issue No.	41
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.822934 °	37.822934 °	
			-121.316870 °	-121.316870 °	
DWR ID	DWR_RD0544_01_s_2012_41				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					



Looking south at elderberries on landside slope and toe.

LM Start	4.68	Rating **	M	Issue No.	104
LM End	4.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.822033 °	37.821826 °	
			-121.319432 °	-121.320071 °	
DWR ID	DWR_RD0544_01_f_2014_104				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.70	Rating **	M	Issue No.	27
LM End	4.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.821901 °	37.821901 °	
			-121.319683 °	-121.319683 °	
DWR ID	DWR_RD0544_01_s_2012_27				
Action/Comments					
Garbage					

No Photos

LM Start	4.73	Rating **	U	Issue No.	105
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.821775 °	37.821775 °	
			-121.320203 °	-121.320203 °	
DWR ID	DWR_RD0544_01_f_2014_105				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Tree has overgrown onto levee crown.					

Photo 1 of 1 : FA_2014_RD0544_108_105_20141023_00072.jpg



Looking south at overgrown tree on landward shoulder.

LM Start	4.75	Rating **	M	Issue No.	28
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.821626 °	37.821626 °	
			-121.320471 °	-121.320471 °	
DWR ID	DWR_RD0544_01_s_2012_28				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2014_RD0544_108_28_20141020_00020.jpg



Looking northeast at erosion around irrigation pipe on landside slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.75	Rating **	M	Issue No.	28 (cont)
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.821626 °	37.821626 °	
			-121.320471 °	-121.320471 °	
DWR ID	DWR_RD0544_01_s_2012_28				
Action/Comments					
Repair slope instability.					

Photo 2 of 2 : FA_2014_RD0544_108_28_20141020_00021.jpg



Looking north at erosion around irrigation pipe on landside

LM Start	4.75	Rating **	A/W	Issue No.	29
LM End	4.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.821626 °	37.821626 °	
			-121.320471 °	-121.320471 °	
DWR ID	DWR_RD0544_01_s_2012_29				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.75	Rating **	M	Issue No.	26
LM End	4.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821592 °	37.821253 °	
			-121.320617 °	-121.320927 °	
DWR ID	DWR_RD0544_01_s_2012_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.86	Rating **	A/W	Issue No.	30
LM End	4.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.820227 °	37.820227 °	
			-121.321115 °	-121.321115 °	
DWR ID	DWR_RD0544_01_s_2012_30				
Action/Comments					
Prunings Inspector Comments: Remove dead stumps at landside toe and prunings on landside slope.					

No Photos

LM Start	4.86	Rating **	M	Issue No.	31
LM End	6.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.820081 °	37.808766 °	
			-121.321043 °	-121.328198 °	
DWR ID	DWR_RD0544_01_s_2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.94	Rating **	M	Issue No.	32
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819249 °	37.819249 °	
			-121.320460 °	-121.320460 °	
DWR ID	DWR_RD0544_01_s_2012_32				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	5.00	Rating **	M	Issue No.	33
LM End	5.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.818718 °	37.814662 °	
			-121.319508 °	-121.320302 °	
DWR ID	DWR_RD0544_01_s_2012_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation has been sprayed, but still blocking view of landward toe.					

Photo 1 of 3 : FA_2014_RD0544_108_33_20141023_00073.jpg



Looking north at dead vegetation still blocking landward toe.

LM Start	5.00	Rating **	M	Issue No.	33 (cont)
LM End	5.30	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2014_RD0544_108_33_20141020_00022.jpg



Looking southeast at dense veg. on landside slope and toe.

LM Start	5.00	Rating **	M	Issue No.	33 (cont)
LM End	5.30	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2014_RD0544_108_33_20141023_00074.jpg



Looking south at dead vegetation still blocking landward toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	17
LM End	5.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.818152 °	37.818152 °	
			-121.319095 °	-121.319095 °	
DWR ID	DWR_RD0544_01_s_2012_17				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.39	Rating **	U	Issue No.	35
LM End	5.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.813659 °	37.813659 °	
			-121.319614 °	-121.319614 °	
DWR ID	DWR_RD0544_01_s_2012_35				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: Bamboo blocking landward toe.					

Photo 1 of 1 : FA_2014_RD0544_108_35_20141023_00075.jpg



Looking south at bamboo on landward slope and toe.

LM Start	5.54	Rating **	U	Issue No.	18
LM End	5.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.812033 °	37.811687 °	
			-121.319737 °	-121.320677 °	
DWR ID	DWR_RD0544_01_s_2012_18				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 2 : FA_2014_RD0544_108_18_20141020_00016.jpg



Looking south at elderberries on landside slope and toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	5.54	Rating **	U	Issue No.	18 (cont)
LM End	5.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.812033 °	37.811687 °	
			-121.319737 °	-121.320677 °	
DWR ID	DWR_RD0544_01_s_2012_18				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 2 of 2 : FA_2014_RD0544_108_18_20141020_00017.jpg



Looking southwest on elderberries on landside slope and toe.

LM Start	5.69	Rating **	N	Issue No.	40
LM End	5.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.811199 °	37.811199 °	
			-121.322176 °	-121.322176 °	
DWR ID	DWR_RD0544_01_s_2012_40				
Action/Comments					
Tree stumps.					

No Photos

LM Start	5.87	Rating **	C	Issue No.	70
LM End	5.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.811068 °	37.811068 °	
			-121.325412 °	-121.325412 °	
DWR ID	DWR_RD0544_01_f_2014_70				
Action/Comments					
Tree or limb					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.810253 °	37.808687 °	
			-121.334930 °	-121.332964 °	
DWR ID	DWR_RD0544_02_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.03	Rating **	M	Issue No.	3
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.808603 °	37.809442 °	
			-121.328719 °	-121.334415 °	
DWR ID	DWR_RD0544_02_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.41	Rating **	U	Issue No.	4
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.809788 °	37.809788 °	
			-121.334727 °	-121.334727 °	
DWR ID	DWR_RD0544_02_s_2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					



Looking northwest at elderberries on landside slope and toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.41	Rating **	U	Issue No.	4 (cont)
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.809788 °	37.809788 °	
			-121.334727 °	-121.334727 °	
DWR ID	DWR_RD0544_02_s_2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 2 of 3 : FA_2014_RD0544_109_4_20141020_00002.jpg



Looking northwest at elderberry on landside slope. (Spring 2012)

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

Photo 3 of 3 : FA_2014_RD0544_109_4_20141020_00003.jpg



Looking south at elderberries on landside slope.

LM Start	0.43	Rating **	M	Issue No.	1
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.810250 °	37.819452 °	
			-121.334933 °	-121.333755 °	
DWR ID	DWR_RD0544_02_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.52	Rating **	N	Issue No.	11
LM End	0.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.811592 °	37.811592 °	
			-121.335018 °	-121.335018 °	
DWR ID	DWR_RD0544_02_s_2012_11				
Action/Comments					
Tree stumps.					

No Photos

LM Start	0.74	Rating **	U	Issue No.	5
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.814333 °	37.814333 °	
			-121.334592 °	-121.334592 °	
DWR ID	DWR_RD0544_02_s_2012_5				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD0544_109_5_20141020_00004.jpg



Looking south at elderberries on landside slope and toe.

LM Start	0.79	Rating **	U	Issue No.	8
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems		GPS Latitude/Longitude		
			Start	End	
Item	Erosion Areas		37.815102 °	37.815102 °	
			-121.333898 °	-121.333898 °	
DWR ID	DWR_RD0544_02_s_2012_8				
Action/Comments					
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.					

Photo 1 of 8 : FA_2014_RD0544_109_8_20141020_00006.jpg



Looking at top of siphon on waterside shoulder with 3' of caving around pipe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems		GPS Latitude/Longitude		
			Start	End	
Item	Erosion Areas		37.815102 °	37.815102 °	
			-121.333898 °	-121.333898 °	
DWR ID	DWR_RD0544_02_s_2012_8				
Action/Comments					
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.					

Photo 2 of 8 : FA_2014_RD0544_109_8_20141020_00007.jpg



Looking at caving around 10" siphon pipe on waterside shoulder.

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS

Photo 3 of 8 : FA_2014_RD0544_109_8_20141020_00008.jpg



Looking south at depression greater than 6" on waterside shoulder.

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS

Photo 4 of 8 : FA_2014_RD0544_109_8_20141020_00009.jpg



Looking east at caving around siphon on waterside shoulder. (Spring 2012)

* 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 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems		GPS Latitude/Longitude		
			Start	End	
Item	Erosion Areas		37.815102 °	37.815102 °	
			-121.333898 °	-121.333898 °	
DWR ID	DWR_RD0544_02_s_2012_8				
Action/Comments					
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.					

Photo 5 of 8 : FA_2014_RD0544_109_8_20141020_00010.jpg



Looking at top of siphon with a depression greater than 6" on waterside shoulder.

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS

Photo 6 of 8 : FA_2014_RD0544_109_8_20141020_00011.jpg



Looking west at caving around siphon on waterside shoulder. (Spring 2012)

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS

Photo 7 of 8 : FA_2014_RD0544_109_8_20141020_00012.jpg



Looking south at caving around siphon on waterside shoulder. (Spring 2012)

* 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 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	8 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems		GPS Latitude/Longitude		
			Start	End	
Item	Erosion Areas		37.815102 °	37.815102 °	
			-121.333898 °	-121.333898 °	
DWR ID	DWR_RD0544_02_s_2012_8				
Action/Comments					
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.					

Photo 8 of 8 : FA_2014_RD0544_109_8_20141020_00013.jpg



Looking south at depression greater than 6" around siphon on waterside shoulder.

LM Start	1.27	Rating **	M	Issue No.	49
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.820486 °	37.820767 °	
			-121.336062 °	-121.336611 °	
DWR ID	DWR_RD0544_02_f_2014_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tobacco plants on waterward slope.					

Photo 1 of 1 : FA_2014_RD0544_109_49_20141023_00050.jpg



Looking south at several tobacco plants on waterward slope.

LM Start	1.36	Rating **	M	Issue No.	38
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821095 °	37.822285 °	
			-121.337185 °	-121.339252 °	
DWR ID	DWR_RD0544_02_s_2012_38				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	14
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821323 °	37.821323 °	
			-121.337725 °	-121.337725 °	
DWR ID	DWR_RD0544_02_s_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control bamboo on waterside slope.					

No Photos

LM Start	1.41	Rating **	U	Issue No.	10
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821423 °	37.821423 °	
			-121.337878 °	-121.337878 °	
DWR ID	DWR_RD0544_02_s_2012_10				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 2 : FA_2014_RD0544_109_10_20141020_00015.jpg



Looking southwest at elderberries on landside slope.

LM Start	1.41	Rating **	U	Issue No.	10 (cont)
LM End	1.41	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD0544_109_10_20141020_00016.jpg



Looking south at elderberries on landside slope and toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.44	Rating **	M	Issue No.	22
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.821697 °	37.821697 °	
			-121.338397 °	-121.338397 °	
DWR ID	DWR_RD0544_02_s_2012_22				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Damage cause by vehicle traffic.					

Photo 1 of 2 : FA_2014_RD0544_109_22_20141020_00030.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	1.44	Rating **	M	Issue No.	22 (cont)
LM End	1.44	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD0544_109_22_20141023_00051.jpg



Looking northwest at slope damage caused by vehicle traffic (Fall 2014).

LM Start	1.47	Rating **	M	Issue No.	28
LM End	1.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.821954 °	37.821954 °	
			-121.338715 °	-121.338715 °	
DWR ID	DWR_RD0544_02_s_2012_28				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.04	Rating **	M	Issue No.	44
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.818733 °	37.818733 °	
			-121.343340 °	-121.343340 °	
DWR ID	DWR_RD0544_02_s_2012_44				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	39
LM End	2.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.818842 °	37.820193 °	
			-121.343520 °	-121.345525 °	
DWR ID	DWR_RD0544_02_s_2012_39				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.11	Rating **	M	Issue No.	13
LM End	2.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819337 °	37.819460 °	
			-121.344275 °	-121.344492 °	
DWR ID	DWR_RD0544_02_s_2012_13				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD0544_109_13_20141020_00018.jpg



Looking northwest at elderberries on landside slope and toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.24	Rating **	M	Issue No.	50
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.820646 °	37.820646 °	
			-121.346014 °	-121.346014 °	
DWR ID	DWR_RD0544_02_f_2014_50				
Action/Comments					
Garbage Inspector Comments: Discarded intake pipe on waterward slope.					

Photo 1 of 1 : FA_2014_RD0544_109_50_20141023_00052.jpg



Looking northwest at pipe on waterward slope.

LM Start	2.25	Rating **	M	Issue No.	32
LM End	2.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.820697 °	37.820697 °	
			-121.346050 °	-121.346050 °	
DWR ID	DWR_RD0544_02_s_2012_32				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.28	Rating **	M	Issue No.	33
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.821096 °	37.821945 °	
			-121.346418 °	-121.347897 °	
DWR ID	DWR_RD0544_02_s_2012_33				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable 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 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.29	Rating **	A/W	Issue No.	40
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821240 °	37.821240 °	
			-121.346553 °	-121.346553 °	
DWR ID	DWR_RD0544_02_s_2012_40				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	51
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.821757 °	37.821757 °	
			-121.347181 °	-121.347181 °	
DWR ID	DWR_RD0544_02_s_2014_51				
Action/Comments					
Pipe Inspector Comments: Landowner repaired pump and replaced pipe and left pump shaft and pipe on waterward slope.					

Photo 1 of 1 : FA_2014_RD0544_109_51_20141020_00038.jpg



Looking north at old pump shaft and pipe on waterward slope.

LM Start	2.34	Rating **	M	Issue No.	12
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.821763 °	37.821763 °	
			-121.347275 °	-121.347275 °	
DWR ID					
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/20/2013: No significant change observed. 08/07/2012: The site was first reported in 2012 spring levee inspection report. The data were estimated as the site is underneath a irrigation pump station and inaccessible by boat or land survey. It's possible the pump station played a role in the erosion. [2014 Site ID:RD0544U02RM33.21]					

Photo 1 of 1 : SJR2014_RD0544U02RM33.21_1.jpg



Front view of the erosion site. View is partially blocked by the pump structure and vegetation.

* 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 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.35	Rating **	U	Issue No.	24
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.821763 °	37.821763 °
				-121.347275 °	-121.347275 °
DWR ID	DWR_RD0544_02_s_2012_24				
Action/Comments					
Inspector Comments: Large erosion and beaver activity at waterside toe of levee.					

Photo 1 of 3 : FA_2014_RD0544_109_24_20141020_00032.jpg



Looking south at breaver hole at waterside toe.

LM Start	2.35	Rating **	U	Issue No.	24 (cont)
LM End	2.35	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2014_RD0544_109_24_20141020_00033.jpg



Looking south at river erosion at waterside toe near pumping station.

LM Start	2.35	Rating **	U	Issue No.	24 (cont)
LM End	2.35	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2014_RD0544_109_24_20141020_00034.jpg



Looking north at erosion on waterside slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.36	Rating **	M	Issue No.	41
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821840 °	37.819198 °	
			-121.347428 °	-121.359940 °	
DWR ID	DWR_RD0544_02_s_2012_41				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.48	Rating **	M	Issue No.	42
LM End	3.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821037 °	37.819200 °	
			-121.349050 °	-121.359943 °	
DWR ID	DWR_RD0544_02_s_2012_42				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.65	Rating **	M	Issue No.	15
LM End	2.65	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.818867 °	37.818867 °	
			-121.350393 °	-121.350393 °	
DWR ID	DWR_RD0544_02_s_2012_15				
Action/Comments					
Pipe Inspector Comments: Abandoned pipe at landside and waterside shoulder is open on both ends.					

Photo 1 of 1 : FA_2014_RD0544_109_15_20141020_00019.jpg



Abandoned pipe at LM 2.65, landside view.

* 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 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.65	Rating **	M	Issue No.	9
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.817760 °	37.817760 °	
			-121.350850 °	-121.350850 °	
DWR ID					
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 10/11/2013: No significant change observed. 08/07/2012: Series of pocket erosion were discovered at the levee toe during the boat survey. The area is covered with vegetation and riprap, but the rip rap has been washed away. [2014 Site ID:RD0544U02RM32.91]					

Photo 1 of 1 : SJR2014_RD0544U02RM32.91_1.jpg



Front view of pocket erosion. Note the vegetation and riprap at the site.

LM Start	2.73	Rating **	M	Issue No.	52
LM End	3.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.817928 °	37.818824 °	
			-121.351355 °	-121.359523 °	
DWR ID	DWR_RD0544_02_f_2014_52				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0544_109_52_20141023_00053.jpg



Looking south at vegetation on levee crown.

LM Start	2.76	Rating **	U	Issue No.	43
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.817747 °	37.817497 °	
			-121.351578 °	-121.357490 °	
DWR ID	DWR_RD0544_02_s_2012_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0544_109_43_20141020_00037.jpg



Looking south a dense vegetation on landward and waterward slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.84	Rating **	M	Issue No.	53
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.817187 °	37.817187 °	
			-121.352964 °	-121.352964 °	
DWR ID	DWR_RD0544_02_f_2014_53				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.34	Rating **	M	Issue No.	54
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819635 °	37.819635 °	
			-121.360619 °	-121.360619 °	
DWR ID	DWR_RD0544_02_f_2014_54				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	3.43	Rating **	M	Issue No.	30
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.819813 °	37.819717 °	
			-121.362120 °	-121.362733 °	
DWR ID	DWR_RD0544_02_s_2013_30				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.53	Rating **	M	Issue No.	36
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819576 °	37.819530 °	
			-121.364056 °	-121.364653 °	
DWR ID	DWR_RD0544_02_s_2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Cactus on landside slope.					

Photo 1 of 2 : FA_2014_RD0544_109_36_20141020_00035.jpg



Looking north at cactus on landside slope and toe.

LM Start	3.53	Rating **	M	Issue No.	36 (cont)
LM End	3.56	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD0544_109_36_20141020_00036.jpg



Looking southwest at overgrown cactus on landside slope.

LM Start	3.54	Rating **	M	Issue No.	55
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.819563 °	37.819563 °	
			-121.364307 °	-121.364307 °	
DWR ID	DWR_RD0544_02_f_2014_55				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.57	Rating **	M	Issue No.	19
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees			°	°
				°	°
DWR ID	DWR_RD0544_02_f_2013_19				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.61	Rating **	M	Issue No.	47
LM End	4.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819443	°	37.822442
			-121.365305	°	-121.374608
DWR ID	DWR_RD0544_02_s_2012_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.64	Rating **	M	Issue No.	48
LM End	4.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819408	°	37.822442
			-121.366005	°	-121.374607
DWR ID	DWR_RD0544_02_s_2012_48				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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