

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	58
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_RD0563_01_s_2012_58				
Action/Comments					
Inspector Comments: The LMA has a copy of the O&M Manual.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	101
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_RD0563_01_s_2013_101				
Action/Comments					
Inspector Comments: The LMA maintains an adequate stockpile of flood fight supplies.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	102
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_RD0563_01_s_2013_102				
Action/Comments					
Inspector Comments: The LMA has received flood fight training.					

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 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.12	Rating **	A/W	Issue No.	28
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.233910 °	38.233655 °	
			-121.518722 °	-121.519000 °	
DWR ID	DWR_RD0563_01_s_2012_28				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : FA_2015_RD0563_210_28_20150914_00031.jpg



Looking east at sprinklers on landside slope.

LM Start	0.12	Rating **	A/W	Issue No.	28 (cont)
LM End	0.14	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0563_210_28_20150914_00032.jpg



Looking southeast at landscaping on landside slope and toe.

LM Start	0.17	Rating **	M	Issue No.	32
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.233315 °	38.233315 °	
			-121.519360 °	-121.519360 °	
DWR ID	DWR_RD0563_01_s_2012_32				
Action/Comments					
Tree or limb Inspector Comments: Tree fallen across waterward slope.					

Photo 1 of 1 : FA_2015_RD0563_210_32_20150914_00035.jpg



Looking south (downstream) at fallen tree limb 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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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.19	Rating **	A/W	Issue No.	2
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.233126 °	38.233126 °	
			-121.519525 °	-121.519525 °	
DWR ID	DWR_RD0563_01_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.20	Rating **	M	Issue No.	18
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.232967 °	38.232967 °	
			-121.519727 °	-121.519727 °	
DWR ID	DWR_RD0563_01_f_2014_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0563_210_18_20150917_00179.jpg



Looking at untrimmed tree on landward slope.

LM Start	0.29	Rating **	M	Issue No.	135
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.231976 °	38.231550 °	
			-121.520700 °	-121.521128 °	
DWR ID	DWR_RD0563_01_f_2015_135				
Action/Comments					
Trim trees to at least five feet above ground level.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.35	Rating **	M	Issue No.	136
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.231317 °	38.230987 °	
			-121.521378 °	-121.521741 °	
DWR ID	DWR_RD0563_01_f_2015_136				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense willows on waterward slope within twenty foot zone.					

Photo 1 of 1 : FA_2015_RD0563_210_136_20150917_00180.jpg



Looking at young willows on waterward slope.

LM Start	0.39	Rating **	M	Issue No.	16
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.230841 °	38.230841 °	
			-121.521898 °	-121.521898 °	
DWR ID	DWR_RD0563_01_f_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : FA_2015_RD0563_210_16_20150914_00020.jpg



Looking southwest at slope damage caused by vehicle traffic.

LM Start	0.43	Rating **	M	Issue No.	26
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.230460 °	38.230460 °	
			-121.522324 °	-121.522324 °	
DWR ID	DWR_RD0563_01_f_2013_26				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage due to fishermen vehicle traffic.					

Photo 1 of 1 : FA_2015_RD0563_210_26_20150914_00029.jpg



Looking northwest at slope damage caused by vehicle traffic.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	138
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.229625 °	38.228094 °	
			-121.523135 °	-121.525188 °	
DWR ID	DWR_RD0563_01_f_2015_138				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Moderate johnson grasses on landward slope.					

No Photos

LM Start	0.56	Rating **	M	Issue No.	34
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.228948 °	38.228948 °	
			-121.523904 °	-121.523904 °	
DWR ID	DWR_RD0563_01_f_2013_34				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : FA_2015_RD0563_210_34_20150914_00037.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	0.60	Rating **	U	Issue No.	139
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.228605 °	38.228605 °	
			-121.524364 °	-121.524364 °	
DWR ID	DWR_RD0563_01_f_2015_139				
Action/Comments					
Tree or limb Inspector Comments: Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.					

Photo 1 of 5 : FA_2015_RD0563_210_139_20150917_00182.jpg



Looking southeast at fallen tree on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.60	Rating **	U	Issue No.	139 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.228605 °	38.228605 °
				-121.524364 °	-121.524364 °
DWR ID	DWR_RD0563_01_f_2015_139				
Action/Comments					
Tree or limb Inspector Comments: Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.					

Photo 2 of 5 : FA_2015_RD0563_210_139_20150917_00184.jpg



Looking south at fallen tree on waterward slope.

LM Start	0.60	Rating **	U	Issue No.	139 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA_2015_RD0563_210_139_20150917_00183.jpg



Looking northwest at fallen tree on waterward slope.

LM Start	0.60	Rating **	U	Issue No.	139 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : FA_2015_RD0563_210_139_20150917_00185.jpg



Looking at stump of fallen tree on waterward berm.

* 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 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.60	Rating **	U	Issue No.	139 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.228605 °	38.228605 °
				-121.524364 °	-121.524364 °
DWR ID	DWR_RD0563_01_f_2015_139				
Action/Comments					
Tree or limb Inspector Comments: Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.					

Photo 5 of 5 : FA_2015_RD0563_210_139_20150917_00186.jpg



Looking at large hole left by fallen tree on waterward berm.

LM Start	0.61	Rating **	M	Issue No.	143
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.228507 °	38.228507 °
				-121.524543 °	-121.524543 °
DWR ID	DWR_RD0563_01_f_2014_143				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage due to vehicle traffic.					

Photo 1 of 2 : FA_2015_RD0563_210_143_20150914_00136.jpg



Looking southeast at slope damage on waterward slope.

LM Start	0.61	Rating **	M	Issue No.	143 (cont)
LM End	0.61	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0563_210_143_20150914_00137.jpg



Looking northwest at slope damage 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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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.72	Rating **	A/W	Issue No.	754
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.227287 °	38.226376 °	
			-121.525832 °	-121.525908 °	
DWR ID	DWR_RD0563_01_s_2015_754				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0563_210_754_20150914_00142.jpg



Looking southeast at dense vegetation at landward toe.

LM Start	0.79	Rating **	M	Issue No.	3
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.226370 °	38.226370 °	
			-121.525912 °	-121.525912 °	
DWR ID	DWR_RD0563_01_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0563_210_3_20150917_00187.jpg



Looking south at untrimmed trees on waterward slope and toe.

LM Start	0.84	Rating **	M	Issue No.	9
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.225685 °	38.225685 °	
			-121.526288 °	-121.526288 °	
DWR ID	DWR_RD0563_01_s_2012_9				
Action/Comments					
Prunings Inspector Comments: Prunings on waterside slope should be burned or removed.					

Photo 1 of 2 : FA_2015_RD0563_210_9_20150914_00010.jpg



Looking northeast at tree limbs on waterward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	9 (cont)
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.225685 °	38.225685 °	
			-121.526288 °	-121.526288 °	
DWR ID	DWR_RD0563_01_s_2012_9				
Action/Comments					
Prunings Inspector Comments: Prunings on waterside slope should be burned or removed.					

Photo 2 of 2 : FA_2015_RD0563_210_9_20150914_00011.jpg



Looking southwest at tree limbs on waterside slope.

LM Start	0.89	Rating **	M	Issue No.	144
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.225477 °	38.225477 °	
			-121.527047 °	-121.527047 °	
DWR ID	DWR_RD0563_01_f_2014_144				
Action/Comments					
Prunings Inspector Comments: Tree limbs on waterward slope.					

Photo 1 of 1 : FA_2015_RD0563_210_144_20150917_00188.jpg



Looking at tree limbs on waterward shoulder and slope.

LM Start	0.92	Rating **	M	Issue No.	755
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.225549 °	38.225549 °	
			-121.527658 °	-121.527658 °	
DWR ID	DWR_RD0563_01_s_2015_755				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	0.98	Rating **	M	Issue No.	756
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.226011 °	38.226011 °	
			-121.528524 °	-121.528524 °	
DWR ID	DWR_RD0563_01_s_2015_756				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.99	Rating **	M	Issue No.	147
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.226138 °	38.226138 °	
			-121.528745 °	-121.528745 °	
DWR ID	DWR_RD0563_01_f_2014_147				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.01	Rating **	M	Issue No.	757
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.226294 °	38.226294 °	
			-121.529055 °	-121.529055 °	
DWR ID	DWR_RD0563_01_s_2015_757				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0563_210_757_20150917_00189.jpg



Looking at untrimmed trees on landward 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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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	48
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.226522 °	38.227157 °
				-121.529094 °	-121.530432 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012 - Site extended upstream. 2013 - Erosion pockets filled with an insufficient amounts of revetment. 2015: Last observed in 2013. [2015 Site ID: GEO_11-0_L]					

Photo 1 of 1 : USACE2013A_GEO_11-0_L_6.jpg



USACE 2013 Photo #1

LM Start	1.09	Rating **	M	Issue No.	758
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226892 °	38.227053 °
				-121.530234 °	-121.530632 °
DWR ID	DWR_RD0563_01_s_2015_758				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.15	Rating **	U	Issue No.	153
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226910 °	38.226910 °
				-121.531294 °	-121.531294 °
DWR ID	DWR_RD0563_01_f_2015_153				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several large to medium rodent holes noted.					

Photo 1 of 1 : FA_2015_RD0563_210_153_20150917_00190.jpg



Looking at typical view of several rodent holes on landward 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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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	19
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.224367 °	38.224367 °	
			-121.534165 °	-121.534165 °	
DWR ID	DWR_RD0563_01_s_2012_19				
Action/Comments					
Tree or limb Inspector Comments: Broken tree along waterside slope.					

Photo 1 of 1 : FA_2015_RD0563_210_19_20150914_00024.jpg



Looking south at a downed tree on waterside slope.

LM Start	1.40	Rating **	M	Issue No.	6
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.224280 °	38.224000 °	
			-121.534377 °	-121.535038 °	
DWR ID	DWR_RD0563_01_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the century plant from waterward shoulder.					

Photo 1 of 2 : FA_2015_RD0563_210_6_20150914_00005.jpg



Updated view looking upstream at a century plant on waterside shoulder slope.

LM Start	1.40	Rating **	M	Issue No.	6 (cont)
LM End	1.44	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0563_210_6_20150914_00006.jpg



Century plant on waterward shoulder at LM 1.42

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	1.42	Rating **	M	Issue No.	759
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.224150 °	38.224150 °	
			-121.534565 °	-121.534565 °	
DWR ID	DWR_RD0563_01_s_2015_759				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.43	Rating **	A/W	Issue No.	30
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.224072 °	38.224072 °	
			-121.534827 °	-121.534827 °	
DWR ID	DWR_RD0563_01_s_2012_30				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.43	Rating **	M	Issue No.	156
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.224069 °	38.223628 °	
			-121.534836 °	-121.536419 °	
DWR ID	DWR_RD0563_01_f_2015_156				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Willows on waterward slope within twenty foot zone.					

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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	1.48	Rating **	M	Issue No.	760
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.223835 °	38.223835 °	
			-121.535605 °	-121.535605 °	
DWR ID	DWR_RD0563_01_s_2015_760				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.51	Rating **	A/W	Issue No.	52
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.223700 °	38.223700 °	
			-121.536157 °	-121.536157 °	
DWR ID	DWR_RD0563_01_s_2012_52				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.59	Rating **	M	Issue No.	56
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.223332 °	38.223247 °	
			-121.537635 °	-121.538095 °	
DWR ID	DWR_RD0563_01_s_2012_56				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	1.94	Rating **	M	Issue No.	96 (cont)
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.222094 °	38.222094 °	
			-121.543435 °	-121.543435 °	
DWR ID	DWR_RD0563_01_f_2013_96				
Action/Comments					
Prunings Inspector Comments: Large pruning pile at landward toe. Landowner has burned pile, but pile is still within right away.					

Photo 2 of 2 : FA_2015_RD0563_210_96_20150914_00120.jpg



Looking north at partially burned pruning pile at landward toe. (Spring 2015)

LM Start	1.95	Rating **	M	Issue No.	157
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.221949 °	38.221949 °	
			-121.543450 °	-121.543450 °	
DWR ID	DWR_RD0563_01_f_2015_157				
Action/Comments					
Garbage Inspector Comments: Landowner stockpiling garbage at landward toe.					

Photo 1 of 1 : FA_2015_RD0563_210_157_20150917_00192.jpg



Looking at garbage stockpile at landward toe.

LM Start	1.96	Rating **	M	Issue No.	71
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.221809 °	38.221809 °	
			-121.543465 °	-121.543465 °	
DWR ID	DWR_RD0563_01_f_2012_71				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion around irrigation pump house and pipe on landside slope.					

Photo 1 of 2 : FA_2015_RD0563_210_71_20150914_00080.jpg



Looking west at erosion at landside toe and slope next to pump house.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	1.96	Rating **	M	Issue No.	71 (cont)
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.221809 °	38.221809 °	
			-121.543465 °	-121.543465 °	
DWR ID	DWR_RD0563_01_f_2012_71				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion around irrigation pump house and pipe on landside slope.					

Photo 2 of 2 : FA_2015_RD0563_210_71_20150914_00081.jpg



Looking southwest at erosion around irrigation pipe on landside slope and toe.

LM Start	2.08	Rating **	M	Issue No.	14
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.220028 °	38.218494 °	
			-121.542922 °	-121.542646 °	
DWR ID	DWR_RD0563_01_s_2012_14				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.19	Rating **	M	Issue No.	33
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.218463 °	38.218463 °	
			-121.542650 °	-121.542650 °	
DWR ID	DWR_RD0563_01_s_2012_33				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Rodent holes on landside shoulder.					

Photo 1 of 1 : FA_2015_RD0563_210_33_20150914_00036.jpg



Looking southeast at squirrel holes on landside shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	2.39	Rating **	A/W	Issue No.	11 (cont)
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.216242 °	38.216147 °	
			-121.540835 °	-121.540612 °	
DWR ID	DWR_RD0563_01_s_2012_11				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: District is controlling the elderberry.					



Looking southeast at elderberry on the landside slope and toe.

LM Start	2.40	Rating **	U	Issue No.	12
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.216122 °	38.216047 °	
			-121.540555 °	-121.540415 °	
DWR ID	DWR_RD0563_01_s_2012_12				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					



Looking south at dense elderberry on waterward shoulder and slope. (Spring 2015)

LM Start	2.40	Rating **	U	Issue No.	12 (cont)
LM End	2.41	Issue Type +	Ma	Location *	WS



Looking southwest at dense elderberry on waterside shoulder and slope. (Fall 2014)

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	2.53	Rating **	M	Issue No.	85
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.215082 °	38.214852 °
				-121.538652 °	-121.538305 °
DWR ID	DWR_RD0563_01_s_2012_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 4 : FA_2015_RD0563_210_85_20150914_00102.jpg



Looking west at rodent hole on landside slope.

LM Start	2.53	Rating **	M	Issue No.	85 (cont)
LM End	2.55	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA_2015_RD0563_210_85_20150914_00103.jpg



Looking east at rodent hole on landside slope.

LM Start	2.53	Rating **	M	Issue No.	85 (cont)
LM End	2.55	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA_2015_RD0563_210_85_20150914_00104.jpg



Looking southwest at rodent holes on 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
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	2.53	Rating **	M	Issue No.	85 (cont)
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.215082 °	38.214852 °
				-121.538652 °	-121.538305 °
DWR ID	DWR_RD0563_01_s_2012_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 4 of 4 : FA_2015_RD0563_210_85_20150914_00105.jpg



Looking northeast at rodent holes on landside slope.

LM Start	2.53	Rating **	A/W	Issue No.	20
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215047 °	38.215047 °
				-121.538604 °	-121.538604 °
DWR ID	DWR_RD0563_01_s_2012_20				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.58	Rating **	A/W	Issue No.	21
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.214567 °	38.213728 °
				-121.537945 °	-121.537272 °
DWR ID	DWR_RD0563_01_s_2012_21				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	2.89	Rating **	M	Issue No.	104
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.210966 °	38.210966 °	
			-121.534813 °	-121.534813 °	
DWR ID	DWR_RD0563_01_f_2013_104				
Action/Comments					
Material Inspector Comments: Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence.					

Photo 1 of 2 : FA_2015_RD0563_210_104_20150914_00129.jpg



Looking west at concrete rubble on waterward shoulder and slope.

LM Start	2.89	Rating **	M	Issue No.	104 (cont)
LM End	2.89	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0563_210_104_20150914_00130.jpg



Looking east at concrete rubble on landward slope.

LM Start	2.94	Rating **	M	Issue No.	67
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.210402 °	38.210402 °	
			-121.535268 °	-121.535268 °	
DWR ID	DWR_RD0563_01_s_2012_67				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vines (Berry or wildroses) on landside toe.					

Photo 1 of 1 : FA_2015_RD0563_210_67_20150914_00076.jpg



Looking east at dense vegetation at 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	74
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.210212 °	38.209165 °	
			-121.536728 °	-121.539920 °	
DWR ID	DWR_RD0563_01_s_2012_74				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead berryvines at landside toe blocking view of toe.					

Photo 1 of 3 : FA_2015_RD0563_210_74_20150914_00084.jpg



Looking southeast at dense berryvines at landward toe. (Spring 2015)

LM Start	3.02	Rating **	U	Issue No.	74 (cont)
LM End	3.21	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2015_RD0563_210_74_20150914_00085.jpg



Looking southeast at dead berryvine on landside toe. (Fall 2014)

LM Start	3.02	Rating **	U	Issue No.	74 (cont)
LM End	3.21	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2015_RD0563_210_74_20150914_00086.jpg



Looking southeast at berryvines on landside toe. (Fall 2014)

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	3.06	Rating **	M	Issue No.	78
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.210240 °	38.210240 °	
			-121.537517 °	-121.537517 °	
DWR ID	DWR_RD0563_01_s_2012_78				
Action/Comments					
Repair slope instability. Inspector Comments: Slope damage on landward shoulder and slope.					

Photo 1 of 4 : FA_2015_RD0563_210_78_20150914_00092.jpg



Looking east at slope erosion cause by runoff on landside slope.

LM Start	3.06	Rating **	M	Issue No.	78 (cont)
LM End	3.06	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA_2015_RD0563_210_78_20150914_00093.jpg



Looking east at slope damage on 10/31/2012, no change in status.

LM Start	3.06	Rating **	M	Issue No.	78 (cont)
LM End	3.06	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA_2015_RD0563_210_78_20150914_00094.jpg



Looking east at slope erosion. (Updated Spring 2012)

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	3.06	Rating **	M	Issue No.	78 (cont)
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.210240 °	38.210240 °	
			-121.537517 °	-121.537517 °	
DWR ID	DWR_RD0563_01_s_2012_78				
Action/Comments					
Repair slope instability. Inspector Comments: Slope damage on landward shoulder and slope.					

Photo 4 of 4 : FA_2015_RD0563_210_78_20150914_00095.jpg



Looking west at slope erosion cause by runoff on landside slope.

LM Start	3.11	Rating **	U	Issue No.	763
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.210005 °	38.209229 °	
			-121.538452 °	-121.539855 °	
DWR ID	DWR_RD0563_01_s_2015_763				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_RD0563_210_763_20150914_00143.jpg



Looking south at dense vegetation at landward slope and toe. (Spring 2015)

LM Start	3.21	Rating **	U	Issue No.	68
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.209217 °	38.209217 °	
			-121.539823 °	-121.539823 °	
DWR ID	DWR_RD0563_01_s_2012_68				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : FA_2015_RD0563_210_68_20150914_00077.jpg



Looking south at dense trees on landward slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	3.21	Rating **	U	Issue No.	68 (cont)
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.209217 °	38.209217 °	
			-121.539823 °	-121.539823 °	
DWR ID	DWR_RD0563_01_s_2012_68				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 2 of 2 : FA_2015_RD0563_210_68_20150914_00078.jpg



Looking southeast at dense trees on landside slope and toe.

LM Start	3.26	Rating **	M	Issue No.	764
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.208593 °	38.208593 °	
			-121.540332 °	-121.540332 °	
DWR ID	DWR_RD0563_01_s_2015_764				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.39	Rating **	U	Issue No.	159
LM End	3.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.206727 °	38.206727 °	
			-121.540666 °	-121.540666 °	
DWR ID	DWR_RD0563_01_f_2015_159				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense willows on waterward slope within the twenty foot zone.					

Photo 1 of 1 : FA_2015_RD0563_210_159_20150917_00193.jpg



Looking south at dense willows on waterward slope.

* Location LS : Land Side 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	3.50	Rating **	A/W	Issue No.	84
LM End	3.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.205130 °	38.205130 °
				-121.540397 °	-121.540397 °
DWR ID	DWR_RD0563_01_f_2012_84				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation at landward toe.					

Photo 1 of 2 : FA_2015_RD0563_210_84_20150914_00100.jpg



Looking southeast at dead berryvines on landward toe.

LM Start	3.50	Rating **	A/W	Issue No.	84 (cont)
LM End	3.50	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0563_210_84_20150914_00101.jpg



Looking southeast at dense berryvines on landward toe.

LM Start	3.91	Rating **	M	Issue No.	38
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.200733 °	38.199925 °
				-121.542571 °	-121.544249 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Narrow eroding berm upstream of existing rock. 2001 - Staked, low fascine walls at bankline. 2011 - Minor new erosion. Site extended downstream. 2012 - Rock repair failing in one erosion pocket. 2015: Last observed in 2013. [2015 Site ID: GEO_8-3_L]					

Photo 1 of 1 : USACE2013A_GEO_8-3_L_6.jpg



USACE 2013 Photo #1

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	4.16	Rating **	C	Issue No.	765
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.198087 °	38.198087 °	
			-121.545560 °	-121.545560 °	
DWR ID	DWR_RD0563_01_s_2015_765				
Action/Comments					
Garbage Inspector Comments: Sofa and other gabage on waterward slope.					

No Photos

LM Start	4.63	Rating **	M	Issue No.	88
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.193078 °	38.193078 °	
			-121.551047 °	-121.551047 °	
DWR ID	DWR_RD0563_01_s_2012_88				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_RD0563_210_88_20150914_00108.jpg



Looking south at dense trees on landside slope and toe.

LM Start	4.98	Rating **	M	Issue No.	45
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.190073 °	38.189524 °	
			-121.556307 °	-121.557227 °	
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012 - Site extended upstream to account for addition erosion pockets. 2015: Last observed in 2013. [2015 Site ID: GEO_7-2_L]					

Photo 1 of 1 : USACE2013A_GEO_7-2_L_6.jpg



USACE 2013 Photo #1

* Location LS : Land Side 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	5.15	Rating **	U	Issue No.	46
LM End	5.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.188216 °	38.185968 °
				-121.558442 °	-121.561667 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Deep pockets of erosion into a narrow berm just downstream of the rock. 2000 - Scallops in banks with small colored flags, some new biotech rolls in with older rolls in the scallops. 2001 - Staked , low fascine walls at the bankline. 2011 - Site upgraded to CRITICAL. Site extended upstream due to new erosion pocket. New tree popouts and new erosion. 2013 - Pipe observed at upstream end of site. 2015: Last observed in 2013. [2015 Site ID: GEO_6-8_L]					

Photo 1 of 1 : USACE2013A_GEO_6-8_L_8.jpg



USACE 2013 Photo #1

LM Start	5.40	Rating **	M	Issue No.	24
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.185772 °	38.185595 °
				-121.561613 °	-121.562228 °
DWR ID	DWR_RD0563_01_s_2013_24				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	5.49	Rating **	M	Issue No.	55
LM End	6.27	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.185479 °	38.181359 °
				-121.563296 °	-121.576292 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1, 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012 - Rock has been placed in portions of the bank since last year. 2015: Last observed in 2013. [2015 Site ID: GEO_6-3_L]					

Photo 1 of 1 : USACE2013A_GEO_6-3_L_13.jpg



USACE 2013 Photo #1

LM Start	5.92	Rating **	U	Issue No.	22
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s_2012_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Large cactus on landward slope.					

Photo 1 of 2 : FA_2015_RD0563_210_22_20150914_00025.jpg



Looking at north end of cactus on the 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	5.92	Rating **	U	Issue No.	22 (cont)
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.181965 °	38.181763 °	
			-121.569913 °	-121.570447 °	
DWR ID	DWR_RD0563_01_s_2012_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Large cactus on landward slope.					

Photo 2 of 2 : FA_2015_RD0563_210_22_20150914_00026.jpg



Large cactus plant on landward slope from LM 6.04 to 6.08

LM Start	5.96	Rating **	M	Issue No.	35
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.181732 °	38.181732 °	
			-121.570524 °	-121.570524 °	
DWR ID	DWR_RD0563_01_s_2012_35				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	6.00	Rating **	M	Issue No.	70
LM End	6.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.181503 °	38.181503 °	
			-121.571263 °	-121.571263 °	
DWR ID	DWR_RD0563_01_s_2012_70				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	7.53	Rating **	U	Issue No.	53
LM End	7.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.164462 °	38.160888 °
				-121.583092 °	-121.584807 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2015: Last observed in 2013. [2015 Site ID: GEO_4-5_L]					

Photo 1 of 1 : USACE2013A_GEO_4-5_L_11.jpg



USACE 2013 Photo #1

LM Start	7.62	Rating **	M	Issue No.	97
LM End	7.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.163240 °	38.163240 °
				-121.583328 °	-121.583328 °
DWR ID	DWR_RD0563_01_s_2013_97				
Action/Comments					
Repair slope instability. Inspector Comments: Minor erosion on landside shoulder and slope.					

Photo 1 of 1 : FA_2015_RD0563_210_97_20150914_00121.jpg



Looking east at slope erosion on landward shoulder and slope.

LM Start	7.74	Rating **	M	Issue No.	29
LM End	7.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.161607 °	38.161092 °
				-121.584258 °	-121.584470 °
DWR ID	DWR_RD0563_01_s_2012_29				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Dense (untrimmed) trees on landward slope.					

Photo 1 of 1 : FA_2015_RD0563_210_29_20150914_00033.jpg



Looking southeast at dense trees on landward slope and toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	7.80	Rating **	U	Issue No.	90
LM End	7.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160800 °	38.160487 °
				-121.584598 °	-121.584717 °
DWR ID	DWR_RD0563_01_s_2012_90				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berryvines and willows on landside toe.					

Photo 1 of 5 : FA_2015_RD0563_210_90_20150914_00110.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

LM Start	7.80	Rating **	U	Issue No.	90 (cont)
LM End	7.82	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : FA_2015_RD0563_210_90_20150914_00111.jpg



Looking northeast at dense vegetation on landside toe.

LM Start	7.80	Rating **	U	Issue No.	90 (cont)
LM End	7.82	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : FA_2015_RD0563_210_90_20150914_00112.jpg



Looking south at dense vegetation on landside toe. (2012 Fall)

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	7.80	Rating **	U	Issue No.	90 (cont)
LM End	7.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160800 °	38.160487 °
				-121.584598 °	-121.584717 °
DWR ID	DWR_RD0563_01_s_2012_90				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berryvines and willows on landside toe.					

Photo 4 of 5 : FA_2015_RD0563_210_90_20150914_00113.jpg



Looking northeast at dense vegetation on landside toe. (2012 Fall Inspection)

LM Start	7.80	Rating **	U	Issue No.	90 (cont)
LM End	7.82	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : FA_2015_RD0563_210_90_20150914_00114.jpg



Looking southwest at dense vegetation on landside toe.

LM Start	7.85	Rating **	M	Issue No.	13
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.160261 °	38.157625 °
				-121.585056 °	-121.586543 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad					

Photo 1 of 1 : USACE2013A_GEO_4-3_L_10.jpg



USACE 2013 Photo #1

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	8.12	Rating **	M	Issue No.	40
LM End	8.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.156987 °	38.152919 °
				-121.587427 °	-121.591129 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012 - Rock has been placed in some of the erosion pockets since last year, however site remains critical. 2013 - Site no longer critical. The worst pockets were filled with rock by the local RD. 2015: Last observed in 2013. [2015 Site ID: GEO_3-8_L]					

Photo 1 of 1 : USACE2013A_GEO_3-8_L_16.jpg



USACE 2013 Photo #1

LM Start	8.18	Rating **	U	Issue No.	767
LM End	8.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156878 °	38.156878 °
				-121.588505 °	-121.588505 °
DWR ID	DWR_RD0563_01_s_2015_767				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation blocking landward toe.					

Photo 1 of 1 : FA_2015_RD0563_210_767_20150914_00145.jpg



Looking east at dense wild vines at 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	8.38	Rating **	U	Issue No.	31
LM End	8.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.155974 °	38.155005 °	
			-121.591452 °	-121.591640 °	
DWR ID	DWR_RD0563_01_s_2012_31				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0563_210_31_20150917_00194.jpg



Looking southeast at untrimmed trees on landward slope and toe.

LM Start	9.10	Rating **	A/W	Issue No.	154
LM End	12.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.147398 °	38.130748 °	
			-121.586463 °	-121.579300 °	
DWR ID	DWR_RD0563_01_f_2014_154				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	9.14	Rating **	M	Issue No.	155
LM End	9.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.146848 °	38.146848 °	
			-121.586753 °	-121.586753 °	
DWR ID	DWR_RD0563_01_f_2014_155				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	9.21	Rating **	A/W	Issue No.	37
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.146164 °	38.145913 °	
			-121.587538 °	-121.588193 °	
DWR ID	DWR_RD0563_01_s_2012_37				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	9.24	Rating **	M	Issue No.	768
LM End	9.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.145915 °	38.145915 °	
			-121.588175 °	-121.588175 °	
DWR ID	DWR_RD0563_01_s_2015_768				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	9.25	Rating **	M	Issue No.	106
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.145909 °	38.145909 °	
			-121.588198 °	-121.588198 °	
DWR ID	DWR_RD0563_01_f_2013_106				
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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	9.28	Rating **	U	Issue No.	98
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.145825 °	38.145825 °	
			-121.588807 °	-121.588807 °	
DWR ID	DWR_RD0563_01_s_2013_98				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0563_210_98_20150914_00122.jpg



Looking southeast at untrimmed trees on landward slope.

LM Start	9.33	Rating **	U	Issue No.	73
LM End	9.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.145957 °	38.145957 °	
			-121.589653 °	-121.589653 °	
DWR ID	DWR_RD0563_01_s_2012_73				
Action/Comments					
Prunings Inspector Comments: Large pruning pile on landward toe.					

Photo 1 of 2 : FA_2015_RD0563_210_73_20150914_00082.jpg



Looking east at prunings at landward toe. (Spring 2015)

LM Start	9.33	Rating **	U	Issue No.	73 (cont)
LM End	9.33	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0563_210_73_20150914_00083.jpg



Looking east at prunings on landward slope. (Spring 2013)

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	9.36	Rating **	U	Issue No.	769
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.146276 °	38.147034 °	
			-121.590189 °	-121.590907 °	
DWR ID	DWR_RD0563_01_s_2015_769				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0563_210_769_20150914_00146.jpg



Looking east at dense vegetation at landward toe. (Spring 2015)

LM Start	9.64	Rating **	M	Issue No.	36
LM End	9.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.149790 °	38.149790 °	
			-121.592788 °	-121.592788 °	
DWR ID	DWR_RD0563_01_s_2012_36				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Vegetation blocking view of levee slope.					

Photo 1 of 1 : FA_2015_RD0563_210_36_20150914_00038.jpg



Looking south at elderberry on landward slope.

LM Start	9.65	Rating **	M	Issue No.	99
LM End	9.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.149905 °	38.149905 °	
			-121.592910 °	-121.592910 °	
DWR ID	DWR_RD0563_01_s_2013_99				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : FA_2015_RD0563_210_99_20150914_00123.jpg



Looking west at minor erosion on landward 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	9.65	Rating **	M	Issue No.	99 (cont)
LM End	9.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.149905 °	38.149905 °	
			-121.592910 °	-121.592910 °	
DWR ID	DWR_RD0563_01_s_2013_99				
Action/Comments					
Note and monitor erosion site.					

Photo 2 of 2 : FA_2015_RD0563_210_99_20150914_00124.jpg



Looking north at minor erosion on landward shoulder and slope.

LM Start	9.73	Rating **	M	Issue No.	41
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.150820 °	38.150647 °	
			-121.593650 °	-121.596858 °	
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013 - Some rock added to the upstream end by the local RD. 2015: Last observed in 2013. [2015 Site ID: GEO_2-5_L]					

Photo 1 of 1 : USACE2013A_GEO_2-5_L_10.jpg



USACE 2013 Photo #1

LM Start	9.82	Rating **	A/W	Issue No.	947
LM End	9.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.150943 °	38.150943 °	
			-121.595488 °	-121.595488 °	
DWR ID	DWR_RD0563_01_s_2012_947				
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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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	10.59	Rating **	U	Issue No.	76 (cont)
LM End	10.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.141940 °	38.141940 °
				-121.598033 °	-121.598033 °
DWR ID	DWR_RD0563_01_s_2012_76				
Action/Comments					
Repair slope instability. Inspector Comments: Deep depression on landside shoulder and slope; possible pipe collapse.					

Photo 2 of 4 : FA_2015_RD0563_210_76_20150914_00088.jpg



Looking east at water ponding at landside toe just above 10" irrigation pipe.

LM Start	10.59	Rating **	U	Issue No.	76 (cont)
LM End	10.59	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA_2015_RD0563_210_76_20150914_00089.jpg



Looking west at depression on landside shoulder and slope from landside toe.

LM Start	10.59	Rating **	U	Issue No.	76 (cont)
LM End	10.59	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : FA_2015_RD0563_210_76_20150914_00090.jpg



Looking west at depression on landside shoulder and 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
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	10.64	Rating **	U	Issue No.	77
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.141362 °	38.141362 °
				-121.597598 °	-121.597598 °
DWR ID	DWR_RD0563_01_s_2012_77				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes and rodents noted at this site.					

Photo 1 of 3 : FA_2015_RD0563_210_77_20150917_00195.jpg



Looking southeast at several rodent holes on landward slope.

LM Start	10.64	Rating **	U	Issue No.	77 (cont)
LM End	10.64	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2015_RD0563_210_77_20150917_00196.jpg



Looking south at several rodent holes on landward slope.

LM Start	10.64	Rating **	U	Issue No.	77 (cont)
LM End	10.64	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2015_RD0563_210_77_20150914_00091.jpg



Looking at typical rodent holes on landward 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	10.72	Rating **	U	Issue No.	100
LM End	10.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140307 °	38.139079 °
				-121.596900 °	-121.596214 °
DWR ID	DWR_RD0563_01_s_2013_100				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild rose or grape vines on landward slope and toe.					

Photo 1 of 3 : FA_2015_RD0563_210_100_20150914_00125.jpg



Looking northeast at dense vegetation at landward toe. (Spring 2015)

LM Start	10.72	Rating **	U	Issue No.	100 (cont)
LM End	10.81	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2015_RD0563_210_100_20150914_00126.jpg



Looking south at dense vegetation at landward toe. (Fall 2014)

LM Start	10.72	Rating **	U	Issue No.	100 (cont)
LM End	10.81	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2015_RD0563_210_100_20150914_00127.jpg



Looking south at additional dense vegetation at 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	11.01	Rating **	U	Issue No.	770
LM End	12.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.136623 °	38.130739 °	
			-121.594216 °	-121.579678 °	
DWR ID	DWR_RD0563_01_s_2015_770				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0563_210_770_20150914_00147.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

LM Start	11.30	Rating **	A/W	Issue No.	952
LM End	11.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.133556 °	38.132462 °	
			-121.590641 °	-121.589452 °	
DWR ID	DWR_RD0563_01_s_2012_952				
Action/Comments					
Prunings					

No Photos

LM Start	11.45	Rating **	A/W	Issue No.	91
LM End	11.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.131943 °	38.131943 °	
			-121.588912 °	-121.588912 °	
DWR ID	DWR_RD0563_01_s_2012_91				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 3 : FA_2015_RD0563_210_91_20150914_00115.jpg



Looking east at rodent hole 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	11.45	Rating **	A/W	Issue No.	91 (cont)
LM End	11.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.131943 °	38.131943 °
				-121.588912 °	-121.588912 °
DWR ID	DWR_RD0563_01_s_2012_91				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 2 of 3 : FA_2015_RD0563_210_91_20150914_00116.jpg



Looking west at rodent hole on landside slope.

LM Start	11.45	Rating **	A/W	Issue No.	91 (cont)
LM End	11.45	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2015_RD0563_210_91_20150914_00117.jpg



Looking south at rodent holes on landside slope.

LM Start	11.51	Rating **	M	Issue No.	42
LM End	11.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.131126 °	38.130368 °
				-121.588337 °	-121.582266 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion pockets into the levee toe. 1999 - Some small pockets fixed with rock riprap. 2002 - New "brush boxes" along the bank toe. 2005 - Brush boxes are empty. Some pockets are filled with new stone. 2006 - Some new rock at the downstream end (~100 ft long). Several small pockets of new rock in scallops. Brush boxes in poor to fair condition. 2010 - Site looks a little worse, some					

Photo 1 of 1 : USACE2013A_GEO_0-3_L_16.jpg



USACE 2013 Photo #1

* 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 2015

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	09/16/2015 09/16/2015	Richard Willoughby

LM Start	12.04	Rating **	M	Issue No.	47
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.130758 °	38.130758 °	
			-121.579027 °	-121.579027 °	
DWR ID	DWR_RD0563_01_s_2012_47				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0563_210_47_20150914_00048.jpg



Looking east at untrimmed tree at landward slope. (Spring 2015)

* 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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