

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>58</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_RD0563_01_s_2012_58				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>101</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_RD0563_01_s_2013_101				
Comment Code					
Inspector Comment					
The LMA maintains an adequate stockpile of flood fight supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>102</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_RD0563_01_s_2013_102				
Comment Code					
Inspector Comment					
The LMA has received flood fight training within the last two years.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>130</b>
LM End	<b>0.01</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.235059°	38.235059°
				-121.517480°	-121.517480°
DWR ID	DWR_RD0563_01_f_2016_130				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>77</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.234861°	38.234133°
				-121.517934°	-121.518758°
DWR ID	DWR_RD0563_01_f_2018_77				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 12.0 L Status: Eroding New 2017 Field Notes: Toe erosion throughout site, slumping, subvertical levee slope in sections. Site History:					

No Photos

LM Start	<b>0.11</b>	Rating **	C	Issue No.	<b>4</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234018°	38.234018°
				-121.518547°	-121.518547°
DWR ID	DWR_RD0563_01_s_2019_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.17</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233315°	38.232555°
				-121.519360°	-121.520180°
DWR ID	DWR_RD0563_01_s_2012_32				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A tree has fallen across the waterward slope.					

Photo 1 of 2 : FA\_2019\_RD0563\_210\_32\_20190826\_00014.jpg



Looking downstream at tree branch on waterward slope. (Spring 2017)

LM Start	<b>0.17</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2019\_RD0563\_210\_32\_20190826\_00015.jpg



Looking downstream at fallen tree limb on waterside slope. (Spring 2016)

LM Start	<b>0.19</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.233126°	38.232545°
				-121.519525°	-121.520127°
DWR ID	DWR_RD0563_01_f_2019_2				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
End at 0.24					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>114</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.230744 °	38.230744 °
				-121.522022 °	-121.522022 °
DWR ID	DWR_RD0563_01_f_2017_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_114\_20190826\_00076.jpg



Looking southwest at the waterside slope.

LM Start	<b>0.45</b>	Rating **	U	Issue No.	<b>72</b>
LM End	<b>0.70</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.230326 °	38.227692 °
				-121.522886 °	-121.526096 °
DWR ID	DWR_RD0563_01_f_2018_72				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.4 L Status: Critical 2017 Field Notes: New erosion site, upgraded to critical. Subvertical face from levee hinge, large erosion pockets, and toe erosion throughout. Site History:					

No Photos

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>132</b>
LM End	<b>0.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.229747 °	38.229747 °
				-121.523057 °	-121.523057 °
DWR ID	DWR_RD0563_01_f_2018_132				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.229232°	38.229232°
				-121.523538°	-121.523538°
DWR ID	DWR_RD0563_01_f_2018_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage due to vehicle traffic.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_34\_20191108\_00221.jpg



View looking downstream at slope damage from vehicle traffic (Fall 2019).

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>143</b>
LM End	<b>0.56</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.228930°	38.228930°
				-121.523935°	-121.523935°
DWR ID	DWR_RD0563_01_f_2014_143				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to vehicle traffic.					

Photo 1 of 2 : FA\_2019\_RD0563\_210\_143\_20190826\_00093.jpg



Looking southeast at slope damage on waterward slope.

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>143 (cont)</b>
LM End	<b>0.56</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2019\_RD0563\_210\_143\_20190826\_00094.jpg



Looking northwest at slope damage on waterward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.63</b>	Rating **	M	Issue No.	<b>133</b>
LM End	<b>0.63</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228272°	38.228272°
				-121.524900°	-121.524900°
DWR ID	DWR_RD0563_01_f_2018_133				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation on the waterside slope.					

No Photos

LM Start	<b>0.73</b>	Rating **	U	Issue No.	<b>3</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227169°	38.225597°
				-121.525892°	-121.526515°
DWR ID	DWR_RD0563_01_s_2012_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_3\_20191108\_00222.jpg



View looking downstream at thick vegetation on the waterside slope (Fall 2019).

LM Start	<b>0.87</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>1.84</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.225548°	38.222759°
				-121.526757°	-121.542202°
DWR ID	DWR_RD0563_01_f_2019_60				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>0.95</b>	Rating **	U	Issue No.	<b>121 (cont)</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.225808°	38.225808°
				-121.528197°	-121.528197°
DWR ID	DWR_RD0563_01_s_2017_121				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several large rodent holes on the landward slope.					

Photo 2 of 2 : FA\_2019\_RD0563\_210\_121\_20190826\_00081.jpg



3/30/2018: Rodent burrows on landside.

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.225922°	38.225922°
				-121.528362°	-121.528362°
DWR ID	DWR_RD0563_01_s_2019_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
New willows growing on the waterside slope should be removed.					

No Photos

LM Start	<b>0.99</b>	Rating **	M	Issue No.	<b>147</b>
LM End	<b>0.99</b>	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				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_147\_20190826\_00097.jpg



View of squirrel holes with recent rodent activity (Spring 2019).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>1.03</b>	Rating **	U	Issue No.	<b>110</b>
LM End	<b>1.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226422°	38.226422°
				-121.529410°	-121.529410°
DWR ID	DWR_RD0563_01_s_2018_110				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
A very large rodent burrow has caused the landside shoulder to collapse. The shoulder should be restored.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_110\_20190826\_00074.jpg



3/30/2018: Very large rodent burrow causing caving at landside shoulder.

LM Start	<b>1.15</b>	Rating **	U	Issue No.	<b>153</b>
LM End	<b>1.15</b>	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large to medium rodent holes have been noted at this location.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_153\_20190826\_00103.jpg



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

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>135</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226885°	38.226885°
				-121.531282°	-121.531282°
DWR ID	DWR_RD0563_01_f_2018_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>1.20</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>1.93</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.226635°	38.222157°	
			-121.532167°	-121.543591°	
DWR ID	DWR_RD0563_01_f_2018_69				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.2 L Status: Eroding New 2017 Field Notes: Evidence of meander process, eroding to short vertical face Site History:					

No Photos

LM Start	<b>1.22</b>	Rating **	M	Issue No.	<b>79</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.226361°	38.226361°	
			-121.532270°	-121.532270°	
DWR ID	DWR_RD0563_01_s_2019_79				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim recently downed tree branches on the landside slope.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_79\_20190826\_00046.jpg



View looking downslope of recently downed branches on landside slope (Spring 2019).

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>81</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.224910°	38.224910°	
			-121.533504°	-121.533504°	
DWR ID	DWR_RD0563_01_s_2019_81				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>1.42</b>	Rating **	M	Issue No.	<b>759</b>
LM End	<b>1.42</b>	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_759\_20190826\_00111.jpg



Looking northwest at untrimmed trees on waterward slope and toe.

LM Start	<b>1.42</b>	Rating **	M	Issue No.	<b>108</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224091°	38.223597°
				-121.534692°	-121.536473°
DWR ID	DWR_RD0563_01_s_2019_108				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.60</b>	Rating **	C	Issue No.	<b>56</b>
LM End	<b>1.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223303°	38.223303°
				-121.537722°	-121.537722°
DWR ID	DWR_RD0563_01_s_2012_56				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>1.64</b>	Rating **	M	Issue No.	<b>117</b>
LM End	<b>1.64</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.223195°	38.223195°	
			-121.538429°	-121.538429°	
DWR ID	DWR_RD0563_01_s_2019_117				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.68</b>	Rating **	M	Issue No.	<b>115</b>
LM End	<b>1.68</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.223098°	38.223098°	
			-121.539130°	-121.539130°	
DWR ID	DWR_RD0563_01_f_2017_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.223087°	38.223087°	
			-121.539350°	-121.539350°	
DWR ID	DWR_RD0563_01_f_2019_61				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>1.95</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.221826°	38.221826°
				-121.543467°	-121.543467°
DWR ID	DWR_RD0563_01_f_2012_71				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is erosion around the irrigation pump house and pipe on the landside slope.					

Photo 1 of 2 : FA\_2019\_RD0563\_210\_71\_20190826\_00029.jpg



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

LM Start	<b>1.95</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_RD0563\_210\_71\_20190826\_00030.jpg



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

LM Start	<b>1.98</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.221405°	38.217972°
				-121.543627°	-121.542861°
DWR ID	DWR_RD0563_01_f_2018_66				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.0 L Status: Eroding New 2017 Field Notes: Revetment failure , toe erosion moving landward. Site History:					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>2.08</b>	Rating **	A/W	Issue No.	<b>14</b>
LM End	<b>2.19</b>	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				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.24</b>	Rating **	M	Issue No.	<b>127</b>
LM End	<b>2.29</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.217680°	38.217003°	
			-121.542761°	-121.542309°	
DWR ID	DWR_RD0563_01_f_2018_127				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.8 L Status: Eroding New 2017 Field Notes: Whole bank failure , eroded to subvertical face, and giant animal holes. Site History:					

No Photos

LM Start	<b>2.40</b>	Rating **	U	Issue No.	<b>12</b>
LM End	<b>2.41</b>	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				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on waterside shoulder and slope.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>2.47</b>	Rating **	M	Issue No.	<b>107</b>
LM End	<b>3.30</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.215405°	38.208046°
				-121.539764°	-121.540759°
DWR ID	DWR_RD0563_01_f_2018_107				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.3 L Status: Critical 2017 Field Notes: Upgraded to critical. Pockets of erosion - subvertical. Areas of failed revetment, old rock is unraveling, and eminent tree popout outs expected. Site History: 1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2013 - New rock placed on the levee slope. 2016 - Fresh erosion along the toe.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_107\_20190826\_00073.jpg



USACE 2013 Photo #1

LM Start	<b>2.67</b>	Rating **	C	Issue No.	<b>140</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213493°	38.213493°
				-121.537090°	-121.537090°
DWR ID	DWR_RD0563_01_f_2018_140				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>2.70</b>	Rating **	C	Issue No.	<b>162</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213096°	38.213096°
				-121.536738°	-121.536738°
DWR ID	DWR_RD0563_01_s_2016_162				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree on waterside shoulder.					

No Photos

LM Start	<b>2.91</b>	Rating **	U	Issue No.	<b>73</b>
LM End	<b>3.00</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210612°	38.210207°
				-121.534942°	-121.536383°
DWR ID	DWR_RD0563_01_f_2019_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_73\_20191108\_00227.jpg



View looking upstream at annual vegetation on the landside slope (Fall 2019).

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210472°	38.210358°
				-121.535175°	-121.535478°
DWR ID	DWR_RD0563_01_s_2012_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead vines (berry or wildroses) on the landside toe.					

Photo 1 of 2 : FA\_2019\_RD0563\_210\_67\_20190826\_00024.jpg



Looking east at dead berryvines at landward toe. (Spring 2017)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210472°	38.210358°
				-121.535175°	-121.535478°
DWR ID	DWR_RD0563_01_s_2012_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead vines (berry or wildroses) on the landside toe.					

Photo 2 of 2 : FA\_2019\_RD0563\_210\_67\_20190826\_00025.jpg



Looking east at dead berryvines at landward toe. (Fall 2016)

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78</b>
LM End	<b>3.06</b>	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.					

Photo 1 of 3 : FA\_2019\_RD0563\_210\_78\_20191108\_00228.jpg



View looking downslope at erosion in the landside slope (Fall 2019).

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2019\_RD0563\_210\_78\_20190826\_00042.jpg



Looking north at rain runoff erosion on landward slope. (Spring 2017)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

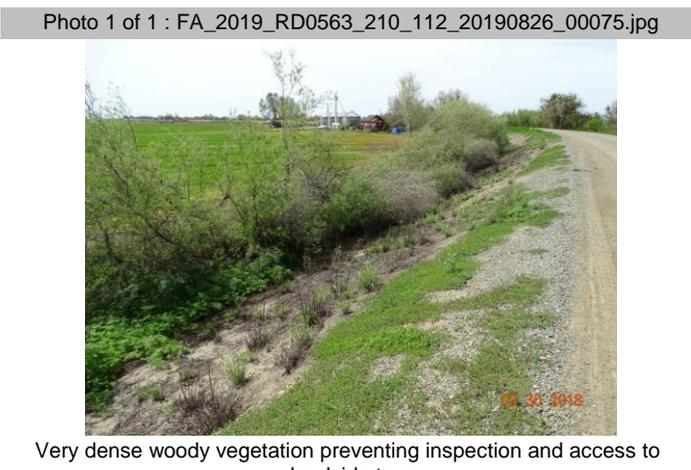
**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.					



LM Start	<b>3.11</b>	Rating **	U	Issue No.	<b>112</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210018°	38.209201°
				-121.538353°	-121.539871°
DWR ID	DWR_RD0563_01_s_2018_112				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Dense woody vegetation (up to 6" in diameter) along lower slope and toe prevents inspection and access. Needs to be removed.					



LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>3.21</b>	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				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					



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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>3.21</b>	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				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 2 of 2 : FA\_2019\_RD0563\_210\_68\_20190826\_00027.jpg



Looking southeast at dense trees on landside slope and toe.

LM Start	<b>3.26</b>	Rating **	C	Issue No.	<b>764</b>
LM End	<b>3.26</b>	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>3.42</b>	Rating **	M	Issue No.	<b>94</b>
LM End	<b>4.01</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.206346°	38.199925°
				-121.540819°	-121.544249°
DWR ID	DWR_RD0563_01_f_2018_94				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 8.3 L Status: Eroding 2017 Field Notes: New rock on levee in sections, failure of old rock in other sections, site extended upstream to account for new erosion pocket. Site History: 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. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_94\_20190826\_00062.jpg



USACE 2013 Photo #1

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>141</b>
LM End	<b>4.29</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.196777°	38.196308°
				-121.546322°	-121.546578°
DWR ID	DWR_RD0563_01_f_2018_141				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>4.42</b>	Rating **	C	Issue No.	<b>144</b>
LM End	<b>4.42</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.194957°	38.194957°
				-121.548055°	-121.548055°
DWR ID	DWR_RD0563_01_f_2018_144				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>4.52</b>	Rating **	M	Issue No.	<b>146</b>
LM End	<b>4.52</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.194090°	38.194090°
				-121.549568°	-121.549568°
DWR ID	DWR_RD0563_01_f_2018_146				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_146\_20190826\_00096.jpg



View of arundo on waterside slope (October 2018).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>4.98</b>	Rating **	M	Issue No.	<b>92</b>
LM End	<b>5.04</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.190073 °	38.189524 °	
			-121.556307 °	-121.557227 °	
DWR ID	DWR_RD0563_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 7.2 L Status: Eroding 2017 Field Notes: New erosion at toe. Site History: 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. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_92\_20190826\_00060.jpg



USACE 2013 Photo #1

LM Start	<b>5.39</b>	Rating **	U	Issue No.	<b>91</b>
LM End	<b>5.39</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.186013 °	38.185968 °	
			-121.561512 °	-121.561667 °	
DWR ID	DWR_RD0563_01_f_2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 6.3 L Status: Critical 2017 Field Notes: Upgraded to CRITICAL. Combined with 6.8. Vertical sections from mid slope to toe, vertical face from levee hinge at some locations. Wave/tide erosion at toe, evidence of beavers. Site History: 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. 2016 - Site 5.8 was merged with this site due to new erosion connecting the sites.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_91\_20190826\_00059.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>6.00</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>6.00</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.181512°	38.181512°	
			-121.571298°	-121.571298°	
DWR ID	DWR_RD0563_01_s_2012_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>6.59</b>	Rating **	C	Issue No.	<b>164</b>
LM End	<b>6.65</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.177438°	38.176647°	
			-121.579151°	-121.579560°	
DWR ID	DWR_RD0563_01_s_2016_164				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (dead berry vines) at landside toe should be removed.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>6.61</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>7.28</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.177202°	38.167959°
				-121.579439°	-121.581616°
DWR ID	DWR_RD0563_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 5.3 L Status: Eroding 2017 Field Notes: Site extended upstream, increased toe erosion from boat wake/tide action, RD has placed rock on levee slope in places. Site History: 1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_89\_20190826\_00055.jpg



USACE 2013 Photo #1

LM Start	<b>6.64</b>	Rating **	M	Issue No.	<b>766</b>
LM End	<b>6.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.176820°	38.176820°
				-121.579444°	-121.579444°
DWR ID	DWR_RD0563_01_s_2015_766				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>6.74</b>	Rating **	C	Issue No.	<b>93</b>
LM End	<b>6.74</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175352°	38.175352°
				-121.580177°	-121.580177°
DWR ID	DWR_RD0563_01_s_2018_93				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree should be removed from waterside slope and shoulder.					

No Photos

LM Start	<b>6.84</b>	Rating **	M	Issue No.	<b>113</b>
LM End	<b>6.84</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173985°	38.173985°
				-121.579847°	-121.579847°
DWR ID	DWR_RD0563_01_s_2018_113				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	<b>6.89</b>	Rating **	C	Issue No.	<b>87</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173323°	38.173323°
				-121.579628°	-121.579628°
DWR ID	DWR_RD0563_01_s_2013_87				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>6.95</b>	Rating **	<b>C</b>	Issue No.	<b>95</b>
LM End	<b>6.95</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.172351 °	38.172351 °
				-121.579520 °	-121.579520 °
DWR ID	DWR_RD0563_01_f_2012_95				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree should be removed from waterside slope.					

No Photos

LM Start	<b>7.07</b>	Rating **	<b>U</b>	Issue No.	<b>151</b>
LM End	<b>7.07</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.170693 °	38.170693 °
				-121.579968 °	-121.579968 °
DWR ID	DWR_RD0563_01_f_2014_151				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense berry vines at landside toe.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_151\_20190826\_00102.jpg



Looking southeast at dense vegetation at landward toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>7.71</b>	Rating **	A/W	Issue No.	<b>158</b>
LM End	<b>7.71</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.162056°	38.162056°	
			-121.584043°	-121.584043°	
DWR ID	DWR_RD0563_01_s_2019_158				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The beaver hole was repaired by the LMA.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_158\_20190826\_00106.jpg



View of waterside slope repaired by LMA. A beaver hole was discovered on the waterside slope (Spring 2019).

LM Start	<b>7.74</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>7.78</b>	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dense (untrimmed) trees on landside slope. Branches on ground should also be removed.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_29\_20190826\_00012.jpg



Looking southeast at dense trees on landward slope and toe.

LM Start	<b>7.80</b>	Rating **	U	Issue No.	<b>90</b>
LM End	<b>7.94</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.160800°	38.158922°	
			-121.584598°	-121.585433°	
DWR ID	DWR_RD0563_01_s_2012_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry vines and willows on the landside toe.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_90\_20191108\_00233.jpg



View of thick vegetation at the landside toe (Fall 2019).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>7.85</b>	Rating **	M	Issue No.	<b>84</b>
LM End	<b>8.05</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.160261°	38.157625°	
			-121.585056°	-121.586543°	
DWR ID	DWR_RD0563_01_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 4.3 L Status: Eroding 2017 Field Notes: The worst sections have been filled with quarry stone , but still areas of concern. Site History: 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 with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2013 - Some of the downstream end was repaired by the RD. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_84\_20190826\_00051.jpg



USACE 2013 Photo #1

LM Start	<b>8.12</b>	Rating **	M	Issue No.	<b>83</b>
LM End	<b>8.59</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.156987°	38.152919°	
			-121.587427°	-121.591129°	
DWR ID	DWR_RD0563_01_f_2018_83				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 3.8 L Status: Eroding 2017 Field Notes: Fresh toe erosion, significant undercutting and slumping. Site History: 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.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_83\_20190826\_00050.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>8.18</b>	Rating **	U	Issue No.	<b>767</b>
LM End	<b>8.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156878°	38.156945°
				-121.588505°	-121.589258°
DWR ID	DWR_RD0563_01_s_2015_767				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead dense vegetation blocking landside toe.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_767\_20190826\_00112.jpg



Looking south at the landside slope.

LM Start	<b>8.94</b>	Rating **	M	Issue No.	<b>100</b>
LM End	<b>9.06</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.149612°	38.148010°
				-121.586240°	-121.586212°
DWR ID	DWR_RD0563_01_f_2019_100				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>9.20</b>	Rating **	M	Issue No.	<b>106</b>
LM End	<b>9.26</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.146167°	38.145835°
				-121.587483°	-121.588532°
DWR ID	DWR_RD0563_01_f_2013_106				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>9.25</b>	Rating **	M	Issue No.	<b>768</b>
LM End	<b>9.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.145897°	38.145897°
				-121.588203°	-121.588203°
DWR ID	DWR_RD0563_01_s_2015_768				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_RD0563\_210\_768\_20190826\_00113.jpg



Looking south at the landside slope.

LM Start	<b>9.25</b>	Rating **	M	Issue No.	<b>768 (cont)</b>
LM End	<b>9.25</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_RD0563\_210\_768\_20190826\_00114.jpg



Looking at untrimmed tree on landward slope.

LM Start	<b>9.28</b>	Rating **	U	Issue No.	<b>98</b>
LM End	<b>9.28</b>	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_98\_20190826\_00065.jpg



Looking southeast at untrimmed trees on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>9.36</b>	Rating **	M	Issue No.	<b>769</b>
LM End	<b>9.43</b>	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_769\_20190826\_00115.jpg



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

LM Start	<b>9.64</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>9.64</b>	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				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Vegetation blocking view of levee slope.					

No Photos

LM Start	<b>9.65</b>	Rating **	M	Issue No.	<b>99</b>
LM End	<b>9.65</b>	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_2019_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Minor erosion on landside shoulder and slope.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_99\_20191108\_00235.jpg



View looking downslope of erosion at the top of the landside slope (Fall 2019).

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>9.73</b>	Rating **	A/W	Issue No.	<b>105 (cont)</b>
LM End	<b>9.78</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.150820°	38.151196°
				-121.593650°	-121.594780°
DWR ID	DWR_RD0563_01_s_2012_49				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:70					
Site Designation:DWR_RD0563_01_s_2012_49					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/9/2017					
Notes:					

Photo 2 of 3 : LEVAL\_FA\_2019\_70\_667.jpg



LM Start	<b>9.73</b>	Rating **	A/W	Issue No.	<b>105 (cont)</b>
LM End	<b>9.78</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL\_FA\_2019\_70\_669.jpg



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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>10.15</b>	Rating **	M	Issue No.	<b>160</b>
LM End	<b>10.27</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.147537°	38.145994°
				-121.599433°	-121.600581°
DWR ID	DWR_RD0563_01_f_2018_160				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 2.0 L Status: Eroding 2017 Field Notes: Rock placed on levee for most of site in last years, but it is already failing, almost vertical bank. Site History: 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. 2016 - Quarry stone is starting to fail.					

No Photos

LM Start	<b>10.45</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>10.74</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.143519°	38.139918°
				-121.599677°	-121.596986°
DWR ID	DWR_RD0563_01_f_2018_65				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 1.7 L Status: Eroding 2017 Field Notes: New rock placed in erosion pockets , site has improved with work done by RD, but still some erosion pockets and toe erosion. Slump failure with headscarp at downstream end. Site History: 1997 - Old damaged rock riprap along the toe. 1999 - Downstream end (400 ft) repaired with rock. 2002 - New rock/concrete rubble section on the downstream end. 2004 - Small pocket repairs at the downstream end. 2005 - Some new bundles in the brush boxes. 2012 - Some rock has been placed in last year.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_65\_20190826\_00023.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>10.59</b>	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a deep depression on the landside shoulder and slope; possible pipe collapse.					

Photo 1 of 4 : FA\_2019\_RD0563\_210\_76\_20190826\_00037.jpg



Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA\_2019\_RD0563\_210\_76\_20190826\_00038.jpg



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

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA\_2019\_RD0563\_210\_76\_20190826\_00039.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a deep depression on the landside shoulder and slope; possible pipe collapse.					

Photo 4 of 4 : FA\_2019\_RD0563\_210\_76\_20190826\_00040.jpg



Looking west at depression on landside shoulder and slope.

LM Start	<b>11.18</b>	Rating **	U	Issue No.	<b>120</b>
LM End	<b>11.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.134890°	38.134890°
				-121.592188°	-121.592188°
DWR ID	DWR_RD0563_01_f_2019_120				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_120\_20191108\_00236.jpg



View of thick tree on the landside slope (Fall 2019).

LM Start	<b>11.37</b>	Rating **	M	Issue No.	<b>770</b>
LM End	<b>11.58</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132802°	38.130533°
				-121.589847°	-121.587250°
DWR ID	DWR_RD0563_01_s_2015_770				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is dense vegetation at the landside toe.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_770\_20191108\_00238.jpg



View looking upstream at vegetation on the landside slope (Fall 2019).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>11.56</b>	Rating **	M	Issue No.	<b>63</b>
LM End	<b>11.66</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.130544 °	38.129968 °	
			-121.587607 °	-121.585981 °	
DWR ID	DWR_RD0563_01_f_2018_63				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 0.3 L Status: Eroding 2017 Field Notes: Site shortened. New rock placed on levee slope in erosion pockets. Site History: 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 toe rock but still has erosion scars at lower to mid slope. 2011 - Site upgraded to CRITICAL. Significant new erosion. Erosion scallops are vertical and almost the height of the levee. 2012 - Rock has been placed in some of the erosion scallops and therefore the site is no longer critical. 2013 - Site shortened site. The downstream half of site was repaired by RD. Pipe no longer in site limits.					

Photo 1 of 1 : FA\_2019\_RD0563\_210\_63\_20190826\_00021.jpg



USACE 2013 Photo #1

LM Start	<b>12.00</b>	Rating **	A/W	Issue No.	<b>806</b>
LM End	<b>12.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.130726 °	38.130726 °	
			-121.579646 °	-121.579646 °	
DWR ID	20172				
Comment Code					
Inspector Comment					
DS_ID:20172 FS_ID:52771 EP_NO: 11213 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 1 foot below the crown. Pump on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (18-inch pipe [HLM 12.28] at a depth of 4-feet authorized under Automatic Board Order (ABO) issued as Permit No. 11213, 1975 - Reclamation District No. 563). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 6+48.9)]. FS Date: 7/13/2018					

Photo 1 of 3 : UCIP\_FA\_2019\_52771\_24731.jpg



Pump and pipes off LS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	11/08/2019 11/08/2019	David Julian

LM Start	<b>12.04</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>12.04</b>	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree on landside slope.					

Photo 1 of 2 : FA\_2019\_RD0563\_210\_47\_20190826\_00017.jpg



Looking northeast at the landside slope.

LM Start	<b>12.04</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>12.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_RD0563\_210\_47\_20190826\_00018.jpg



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

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