

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/28/2016 - 3/28/2016			
DWR Inspector	Richard Willoughby			
Accompanied By	Steve Mello RD 563			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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		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	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		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	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		o	o	o
DWR ID	DWR_RD0563_01_s_2013_102				
Comment Code					
Inspector Comment					
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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	131
LM End	12.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.235244 °	38.130656 °	
			-121.517335 °	-121.577961 °	
DWR ID	DWR_RD0563_01_s_2016_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	130
LM End	12.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.235252 °	38.130656 °	
			-121.517334 °	-121.577960 °	
DWR ID	DWR_RD0563_01_s_2016_130				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	958
LM End	0.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.234936 °	38.234936 °
				-121.517528 °	-121.517528 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14864 DS_ID:20199 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine disposition of pipe. Was it abandoned properly? FIELD_STRUCT_DESC: 10-inch pipe through levee unknown feet below crown. 36-inch concrete stand pipe at landward toe. Originally included in the 1954 O&M manual. (Unable to located pipe 6/11/2013). FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_SP_2016_14864_24503.jpg



36-inch concrete standpipe on LS toe.

LM Start	0.08	Rating **	A/W	Issue No.	1
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234323 °	38.234216 °
				-121.518200 °	-121.518324 °
DWR ID	DWR_RD0563_01_s_2012_1				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.10	Rating **	M	Issue No.	59
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234113 °	38.234113 °
				-121.518467 °	-121.518467 °
DWR ID	DWR_RD0563_01_s_2013_59				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dead tree should be removed.					

Photo 1 of 1 : SP_2016_RD0563_210_59_20160330_00227.jpg



Looking northeast at dead tree on landward slope.

LM Start	0.11	Rating **	A/W	Issue No.	4
LM End	0.11	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_2012_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD0563_210_28_20160308_00029.jpg



Looking east at sprinklers on landside 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.12	Rating **	A/W	Issue No.	28 (cont)
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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 2 of 2 : SP_2016_RD0563_210_28_20160308_00030.jpg



Looking southeast at landscaping on landside slope and toe.

LM Start	0.15	Rating **	M	Issue No.	10
LM End	0.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233572 °	38.233572 °
				-121.519083 °	-121.519083 °
DWR ID	DWR_RD0563_01_f_2013_10				
Comment Code					
BU : Building					
Inspector Comment					
Tool shed and fire pit on landward slope and toe.					

Photo 1 of 3 : SP_2016_RD0563_210_10_20160308_00011.jpg



Looking east at fire pit on landward slope.

LM Start	0.15	Rating **	M	Issue No.	10 (cont)
LM End	0.15	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2016_RD0563_210_10_20160308_00012.jpg



Looking southeast at fire pit 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.15	Rating **	M	Issue No.	10 (cont)
LM End	0.15	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.233572 °	38.233572 °	
			-121.519083 °	-121.519083 °	
DWR ID	DWR_RD0563_01_f_2013_10				
Comment Code					
BU : Building					
Inspector Comment					
Tool shed and fire pit on landward slope and toe.					

Photo 3 of 3 : SP_2016_RD0563_210_10_20160308_00013.jpg



Looking southeast at storage shed at landward 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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree fallen across waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_32_20160308_00033.jpg



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

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.20	Rating **	M	Issue No.	959
LM End	0.20	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.233027 °	38.233027 °
				-121.519631 °	-121.519631 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14865 DS_ID:20129 EP_NO: 3448 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Sign on waterside slope should be cleared of vegetation. FIELD_STRUCT_DESC: 4.5-inch gas line through levee 4.0 feet below crown and across channel (Permit No. 3448, 1961). Large warning sign on WS slope. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14865_24505.jpg



Gasline marker on LS shoulder.

LM Start	0.20	Rating **	M	Issue No.	959 (cont)
LM End	0.20	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_14865_24504.jpg



Gasline warning sign covered in vegetation on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.20	Rating **	A/W	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.33	Rating **	U	Issue No.	135
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.231548 °	38.231548 °	
			-121.521140 °	-121.521140 °	
DWR ID	DWR_RD0563_01_f_2015_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree on landward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_135_20160330_00228.jpg



Looking southeast at untrimmed tree on landward slope.

LM Start	0.35	Rating **	A/W	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : SP_2016_RD0563_210_16_20160308_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				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage due to fishermen vehicle traffic.					

Photo 1 of 1 : SP_2016_RD0563_210_26_20160308_00027.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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.45	Rating **	M	Issue No.	960
LM End	0.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.230185 °	38.230185 °
				-121.522631 °	-121.522631 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14866 DS_ID:20130 EP_NO: 11218 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at various points on WS berm. Failure on berm may indicate potential for failure within the levee. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 5.0 feet below the crown. Walkway to pump on pile structure in stream. Siphon breaker in a 24-inch CMP riser on the waterward shoulder. 1" air and vacuum valve and a 15' tall by 36" diameter concrete standpipe at the LS toe (ABO No. 11218, 1975). Originally included in the 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14866_24508.jpg



JP on LS slope with 36-inch concrete standpip on LS toe.

LM Start	0.45	Rating **	M	Issue No.	960 (cont)
LM End	0.45	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_14866_24507.jpg



Siphon breaker not visible in 24-inch CMP riser on WS shoulder.

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

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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	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.46	Rating **	A/W	Issue No.	137
LM End	0.46	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.230145 °	38.230145 °	
			-121.522673 °	-121.522673 °	
DWR ID	DWR_RD0563_01_f_2015_137				
Comment Code					
GA : Garbage					
Inspector Comment					
Discarded appliance on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_137_20160308_00119.jpg



Looking at garbage at waterward toe and berm.

LM Start	0.50	Rating **	A/W	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
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				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : SP_2016_RD0563_210_34_20160308_00035.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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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.					

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

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

Photo 1 of 5 : SP_2016_RD0563_210_139_20160308_00120.jpg



Looking southeast at fallen tree on waterward slope.

Photo 2 of 5 : SP_2016_RD0563_210_139_20160308_00121.jpg



Looking south at fallen tree on waterward slope.

Photo 3 of 5 : SP_2016_RD0563_210_139_20160308_00122.jpg



Looking at stump of fallen tree on waterward berm.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.					

Photo 4 of 5 : SP_2016_RD0563_210_139_20160308_00123.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 5 of 5 : SP_2016_RD0563_210_139_20160308_00124.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				
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 2 : SP_2016_RD0563_210_143_20160308_00129.jpg



Looking southeast at slope damage on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.61	Rating **	M	Issue No.	143 (cont)
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				
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 2 of 2 : SP_2016_RD0563_210_143_20160308_00130.jpg



Looking northwest at slope damage on waterward slope.

LM Start	0.66	Rating **	U	Issue No.	50
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228033 °	38.227777 °
				-121.525268 °	-121.525627 °
DWR ID	DWR_RD0563_01_s_2012_50				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD0563_210_50_20160308_00048.jpg



Looking northwest at dense landscaping on landside slope.

LM Start	0.66	Rating **	U	Issue No.	50 (cont)
LM End	0.69	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_50_20160308_00049.jpg



Looking southeast at dense landscaping on landside 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.72	Rating **	M	Issue No.	62
LM End	0.72	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.227328 °	38.227328 °	
			-121.525872 °	-121.525872 °	
DWR ID	DWR_RD0563_01_s_2013_62				
Comment Code					
PI : Pipe					
Inspector Comment					
Landowner installed a new black steel pipe. Two to four inch depression above pipe on landward slope.					

Photo 1 of 2 : SP_2016_RD0563_210_62_20160308_00057.jpg



Looking east at depression above newly installed black steel pipe.

LM Start	0.72	Rating **	M	Issue No.	62 (cont)
LM End	0.72	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2016_RD0563_210_62_20160308_00058.jpg



Looking northeast at depression above newly installed black steel pipe.

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_754_20160308_00139.jpg



Looking southeast at dense vegetation at landward 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.73	Rating **	U	Issue No.	961
LM End	0.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227262 °	38.227262 °
				-121.525844 °	-121.525844 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14867 DS_ID:20131 EP_NO: 11203 Repair Type: Urgent Crossing Status: Found UCIP Comments: Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee 5.0 feet below the crown. Slant pump on bank. Siphon breaker and switch box on waterward slope. Service pole on landward slope. (ABO No. 11203, 1971) FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14867_24512.jpg



Slant pump on WS berm.

LM Start	0.73	Rating **	U	Issue No.	961 (cont)
LM End	0.73	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14867_24511.jpg



Pipe debris on WS 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_3_20160308_00001.jpg



Looking south at untrimmed trees on waterward slope and toe.

LM Start	0.84	Rating **	A/W	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				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings on waterside slope should be burned or removed.					

Photo 1 of 2 : SP_2016_RD0563_210_9_20160308_00009.jpg



Looking northeast at tree limbs on waterward slope.

LM Start	0.84	Rating **	A/W	Issue No.	9 (cont)
LM End	0.84	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_RD0563_210_9_20160308_00010.jpg



Looking southwest at tree limbs on waterside slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
PR : Prunings					
Inspector Comment					
Tree limbs on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_144_20160308_00131.jpg



Looking at tree limbs on waterward shoulder and slope.

LM Start	0.92	Rating **	U	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_755_20160330_00229.jpg



Looking southeast at untrimmed tree 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	962
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225595 °	38.225595 °
				-121.527813 °	-121.527813 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14870 DS_ID:20132 EP_NO: 11210 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe does not have sufficient cover at crown. FIELD_STRUCT_DESC: 1 of 2: 6-inch pipe through the levee 3-inches below the crown. Pump and gate valve in pump house on waterward slope. Service pole on landward slope. (ABO No. 11210, 1971). 1-inch PVC electrical conduit through levee at same location. Originally included in 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14870_24517.jpg



6-inch pipe and concrete standpipe on LS. Electrical conduit runs parallel to pipe to pumphouse on WS.

LM Start	0.93	Rating **	M	Issue No.	962 (cont)
LM End	0.93	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14870_24516.jpg



Pumphouse on WS shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.96	Rating **	U	Issue No.	985
LM End	0.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225830 °	38.225830 °
				-121.528201 °	-121.528201 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41248 DS_ID:20133 EP_NO: 11210 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate rusted in closed position. FIELD_STRUCT_DESC: 2 of 2: 8-inch pipe through the levee 3.0 feet below the crown. Flap gate on waterward end. Landward end open (ABO No. 11210, 1971). FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_41248_24525.jpg



Pipe open on LS slope.

LM Start	0.96	Rating **	U	Issue No.	985 (cont)
LM End	0.96	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_41248_24524.jpg



Pipe and flapgate on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.98	Rating **	U	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_756_20160330_00230.jpg



Looking southeast at untrimmed tree on landward slope.

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				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.99	Rating **	M	Issue No.	132
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226149 °	38.226149 °
				-121.528789 °	-121.528789 °
DWR ID	DWR_RD0563_01_s_2016_132				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Small trees on landward shoulder be removed.					

Photo 1 of 1 : SP_2016_RD0563_210_132_20160330_00231.jpg



Looking southeast at several small trees 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_757_20160308_00140.jpg



Looking at untrimmed trees on landward slope.

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	DWR_RD0563_01_s_2016_48				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_48_20160308_00047.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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.09	Rating **	A/W	Issue No.	54
LM End	1.12	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.226933 °	38.227037 °	
			-121.530307 °	-121.530850 °	
DWR ID	DWR_RD0563_01_s_2012_54				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_54_20160308_00052.jpg



Looking South at landscaping on landside slope.

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				
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 noted.					

Photo 1 of 1 : SP_2016_RD0563_210_153_20160308_00135.jpg



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

LM Start	1.17	Rating **	U	Issue No.	140
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.226760 °	38.226760 °	
			-121.531683 °	-121.531683 °	
DWR ID	DWR_RD0563_01_s_2014_140				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree blocking view of landward slope and toe.					

Photo 1 of 1 : SP_2016_RD0563_210_140_20160330_00232.jpg



Looking southeast at untrimmed tree 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.18	Rating **	M	Issue No.	133
LM End	1.18	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.226752 °	38.226752 °	
			-121.531752 °	-121.531752 °	
DWR ID	DWR_RD0563_01_s_2016_133				
Comment Code					
PR : Prunings					
Inspector Comment					
Discarded tree limbs and branches on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_133_20160330_00233.jpg



Looking west at tree limbs and branches on waterward slope.

LM Start	1.21	Rating **	M	Issue No.	134
LM End	1.21	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.226462 °	38.226462 °	
			-121.532172 °	-121.532172 °	
DWR ID	DWR_RD0563_01_s_2016_134				
Comment Code					
FW : Firewood					
Inspector Comment					
Landowner stock piling firewood at landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_134_20160330_00234.jpg



Looking southeast at firewood at landward toe.,

LM Start	1.22	Rating **	M	Issue No.	5
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.226326 °	38.226326 °	
			-121.532298 °	-121.532298 °	
DWR ID	DWR_RD0563_01_s_2012_5				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_5_20160308_00003.jpg



Looking south 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.22	Rating **	M	Issue No.	57
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.226345 °	38.226345 °	
			-121.532332 °	-121.532332 °	
DWR ID	DWR_RD0563_01_s_2012_57				
Comment Code					
BU : Building					
Inspector Comment					
Landowner is stacking firewood and other items on landside slope and toe.					

Photo 1 of 2 : SP_2016_RD0563_210_57_20160308_00054.jpg



Looking east at firewood and other materials stored on landside slope and toe.

LM Start	1.22	Rating **	M	Issue No.	57 (cont)
LM End	1.22	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_57_20160308_00055.jpg



Looking at a shed at landside toe.

LM Start	1.25	Rating **	A/W	Issue No.	103
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.225960 °	38.225960 °	
			-121.532616 °	-121.532616 °	
DWR ID	DWR_RD0563_01_s_2013_103				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree branches on landward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_103_20160308_00114.jpg



Looking northeast at broken tree branch 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.27	Rating **	M	Issue No.	64
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.225730 °	38.225730 °	
			-121.532824 °	-121.532824 °	
DWR ID	DWR_RD0563_01_f_2012_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees located at landside toe.					

Photo 1 of 1 : SP_2016_RD0563_210_64_20160308_00059.jpg



Looking southeast at fruit trees on landside toe.

LM Start	1.32	Rating **	U	Issue No.	79
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.225177 °	38.225177 °	
			-121.533285 °	-121.533285 °	
DWR ID	DWR_RD0563_01_f_2013_79				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_79_20160330_00235.jpg



Looking northeast at untrimmed trees on landward slope and toe.

LM Start	1.35	Rating **	M	Issue No.	150
LM End	1.35	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.224817 °	38.224817 °	
			-121.533602 °	-121.533602 °	
DWR ID	DWR_RD0563_01_s_2016_150				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp on landward slope.					

Photo 1 of 3 : SP_2016_RD0563_210_150_20160330_00236.jpg



Looking southeast at ramp 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.35	Rating **	M	Issue No.	150 (cont)
LM End	1.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224817 °	38.224817 °
				-121.533602 °	-121.533602 °
DWR ID	DWR_RD0563_01_s_2016_150				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp on landward slope.					

Photo 2 of 3 : SP_2016_RD0563_210_150_20160330_00237.jpg



LM Start	1.35	Rating **	M	Issue No.	150 (cont)
LM End	1.35	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2016_RD0563_210_150_20160330_00238.jpg



LM Start	1.36	Rating **	M	Issue No.	7
LM End	1.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224690 °	38.224690 °
				-121.533731 °	-121.533731 °
DWR ID	DWR_RD0563_01_s_2012_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_7_20160330_00239.jpg



Looking southeast at untrimmed tree 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree along waterside slope.					

Photo 1 of 1 : SP_2016_RD0563_210_19_20160308_00022.jpg



Looking south at a downed tree on waterside slope.

LM Start	1.39	Rating **	M	Issue No.	86
LM End	1.39	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.224351 °	38.224351 °	
			-121.534209 °	-121.534209 °	
DWR ID	DWR_RD0563_01_f_2013_86				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD0563_210_86_20160308_00091.jpg



Looking southeast at dense landscaping on the landward slope.

LM Start	1.39	Rating **	M	Issue No.	86 (cont)
LM End	1.39	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_86_20160308_00092.jpg



Looking east at cactus at the 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.40	Rating **	U	Issue No.	8
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.224315 °	38.224315 °	
			-121.534288 °	-121.534288 °	
DWR ID	DWR_RD0563_01_s_2012_8				
Comment Code					
BU : Building					
Inspector Comment					
Tool shed, animal storage container, and landscaping on waterside slope and toe.					

Photo 1 of 3 : SP_2016_RD0563_210_8_20160308_00006.jpg



Looking east at landscaping and animal containers on the landside slope and toe.

LM Start	1.40	Rating **	U	Issue No.	8 (cont)
LM End	1.40	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2016_RD0563_210_8_20160308_00007.jpg



Looking northeast at a tool shed on the landward toe.

LM Start	1.40	Rating **	U	Issue No.	8 (cont)
LM End	1.40	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2016_RD0563_210_8_20160308_00008.jpg



Looking southeast at a tool shed at the landside toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.40	Rating **	M	Issue No.	965
LM End	1.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.224302 °	38.224302 °
				-121.534287 °	-121.534287 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14873 DS_ID:20134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on LS and should be removed. FIELD_STRUCT_DESC: *Abandoned* 2-inch pipe through levee 2.0 feet below the crown. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14873_24527.jpg



Pipe visible on LS slope at JP.

LM Start	1.40	Rating **	M	Issue No.	965 (cont)
LM End	1.40	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14873_24526.jpg



Pipe goes to pumphouse on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the century plant from waterward shoulder.					

Photo 1 of 2 : SP_2016_RD0563_210_6_20160308_00004.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 : SP_2016_RD0563_210_6_20160308_00005.jpg



Century plant on waterward shoulder at LM 1.42

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_759_20160330_00240.jpg



Looking northwest at untrimmed trees on waterward 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	A/W	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Willows on waterward slope within twenty foot zone.					

No Photos

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.53	Rating **	M	Issue No.	141
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.223575 °	38.223575 °	
			-121.536580 °	-121.536580 °	
DWR ID	DWR_RD0563_01_s_2014_141				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed ramp without Board permit.					

Photo 1 of 2 : SP_2016_RD0563_210_141_20160308_00125.jpg



Looking southeast at ramp on landward slope.

LM Start	1.53	Rating **	M	Issue No.	141 (cont)
LM End	1.53	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_141_20160308_00126.jpg



Looking east at ramp 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.73	Rating **	A/W	Issue No.	83
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.222967 °	38.222967 °	
			-121.540055 °	-121.540055 °	
DWR ID	DWR_RD0563_01_s_2012_83				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_83_20160308_00084.jpg



Looking west at rodent hole on landside slope.

LM Start	1.82	Rating **	U	Issue No.	161
LM End	1.82	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.222768 °	38.222768 °	
			-121.541837 °	-121.541837 °	
DWR ID	DWR_RD0563_01_s_2016_161				
Comment Code					
FW : Firewood					
Inspector Comment					
Landowner stocking firewood at landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_161_20160330_00241.jpg



Looking north at fireward 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	142
LM End	1.87	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.222743 °	38.222720 °	
			-121.542523 °	-121.542741 °	
DWR ID	DWR_RD0563_01_s_2014_142				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner has planted oleander on waterward shoulder.					

LM Start	1.86	Rating **	M	Issue No.	142 (cont)
LM End	1.87	Issue Type +	En	Location *	WS

Photo 1 of 4 : SP_2016_RD0563_210_142_20160330_00242.jpg



Looking south at oleanders on landward shoulder. (Spring 2016)

Photo 2 of 4 : SP_2016_RD0563_210_142_20160330_00243.jpg



LM Start	1.86	Rating **	M	Issue No.	142 (cont)
LM End	1.87	Issue Type +	En	Location *	WS

Photo 3 of 4 : SP_2016_RD0563_210_142_20160308_00127.jpg



Looking southeast at planting box on waterward shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	142 (cont)
LM End	1.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.222743 °	38.222720 °
				-121.542523 °	-121.542741 °
DWR ID	DWR_RD0563_01_s_2014_142				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner has planted oleander on waterward shoulder.					

Photo 4 of 4 : SP_2016_RD0563_210_142_20160308_00128.jpg



Looking southwest at oleanders on waterward shoulder.

LM Start	1.86	Rating **	M	Issue No.	761
LM End	1.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222718 °	38.222718 °
				-121.542563 °	-121.542563 °
DWR ID	DWR_RD0563_01_s_2015_761				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.92	Rating **	A/W	Issue No.	96
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222299 °	38.222299 °
				-121.543366 °	-121.543366 °
DWR ID	DWR_RD0563_01_f_2013_96				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile at landward toe. Landowner has burned pile, but pile is still within right away.					

Photo 1 of 2 : SP_2016_RD0563_210_96_20160308_00105.jpg



Looking south at pruning piles at landward toe. (Fall 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.92	Rating **	A/W	Issue No.	96 (cont)
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222299 °	38.222299 °
				-121.543366 °	-121.543366 °
DWR ID	DWR_RD0563_01_f_2013_96				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile at landward toe. Landowner has burned pile, but pile is still within right away.					

Photo 2 of 2 : SP_2016_RD0563_210_96_20160308_00106.jpg



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

LM Start	1.94	Rating **	A/W	Issue No.	157
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222080 °	38.222080 °
				-121.543445 °	-121.543445 °
DWR ID	DWR_RD0563_01_f_2015_157				
Comment Code					
GA : Garbage					
Inspector Comment					
Landowner stockpiling garbage at landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_157_20160308_00136.jpg



Looking at garbage stockpile at landward toe.

LM Start	1.95	Rating **	M	Issue No.	71
LM End	1.95	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					
Erosion around irrigation pump house and pipe on landside slope.					

Photo 1 of 2 : SP_2016_RD0563_210_71_20160308_00063.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	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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.95	Rating **	M	Issue No.	71 (cont)
LM End	1.95	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					
Erosion around irrigation pump house and pipe on landside slope.					

Photo 2 of 2 : SP_2016_RD0563_210_71_20160308_00064.jpg



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

LM Start	1.96	Rating **	U	Issue No.	966
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221785 °	38.221785 °
				-121.543474 °	-121.543474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14878 DS_ID:20136 EP_NO: 11204 Repair Type: Urgent Crossing Status: Found UCIP Comments: Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. FIELD_STRUCT_DESC: 8-inch steel pipe sleeved through a 10-inch pipe through the levee 4.0 feet below the crown. Pump on pile structure. Timber walkway to pump. Service pole on landward slope. Siphon breaker on waterward slope (ABO No.11204, 1971). 1.5-inch electrical conduit through levee at same location. Originally included in 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14878_24537.jpg



Pump on pile structure with walkway structurally failing. WS 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.96	Rating **	U	Issue No.	966 (cont)
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221785 °	38.221785 °
				-121.543474 °	-121.543474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14878 DS_ID:20136 EP_NO: 11204 Repair Type: Urgent Crossing Status: Found UCIP Comments: Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. FIELD_STRUCT_DESC: 8-inch steel pipe sleeved through a 10-inch pipe through the levee 4.0 feet below the crown. Pump on pile structure. Timber walkway to pump. Service pole on landward slope. Siphon breaker on waterward slope (ABO No.11204, 1971). 1.5-inch electrical conduit through levee at same location. Originally included in 1954 O&M manual. FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_14878_24536.jpg



Siphon breaker and 1.5-inch galvanized iron electrical conduit.

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				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.19	Rating **	U	Issue No.	967 (cont)
LM End	2.19	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.218534 °	38.218534 °
				-121.542656 °	-121.542656 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14882 DS_ID:20176 EP_NO: 13311 Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete standpipe on LS toe is not functioning properly. Leaks springing up in the ground around the standpipe. This may erode the soil at base of levee. FIELD_STRUCT_DESC: 1 of 2: 12-inch pipe through levee 3.0 feet below crown (Permit No. 13311, 1982). Slant pump on WS toe. 36-inch concrete standpipe and pipe works on LS toe. Siphon breaker in 24-inch CMP riser on LS shoulder. Pipe replaced 12-inch pipe from O&M manual/Permit No. 11207. FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_14882_24540.jpg



Concrete standpipe, and 24-inch CMP riser on LS of levee.

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				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on landside shoulder.					

Photo 1 of 1 : SP_2016_RD0563_210_33_20160308_00034.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 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.26	Rating **	A/W	Issue No.	148
LM End	2.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.217543 °	38.217543 °	
			-121.542478 °	-121.542478 °	
DWR ID	DWR_RD0563_01_f_2014_148				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.33	Rating **	M	Issue No.	66
LM End	3.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.216733 °	38.130665 °	
			-121.541672 °	-121.578055 °	
DWR ID	DWR_RD0563_01_s_2013_66				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
The roadway is passable, but should be bladed to maintain a good roadway with good gravel and a smooth surface. Some material may need to be added.					

No Photos

LM Start	2.39	Rating **	A/W	Issue No.	11
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				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
District is controlling the elderberry.					

Photo 1 of 2 : SP_2016_RD0563_210_11_20160308_00014.jpg



Look southeast at updated (10/11) view of elderberries 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
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				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					



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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 4 : SP_2016_RD0563_210_85_20160308_00087.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 : SP_2016_RD0563_210_85_20160308_00088.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 : SP_2016_RD0563_210_85_20160308_00089.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 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 4 of 4 : SP_2016_RD0563_210_85_20160308_00090.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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.57	Rating **	M	Issue No.	80
LM End	2.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.214707 °	38.214707 °
				-121.538061 °	-121.538061 °
DWR ID	DWR_RD0563_01_f_2012_80				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed unauthorized ramp on landside slope. This ramp is not part of permit # 9146.					

Photo 1 of 2 : SP_2016_RD0563_210_80_20160308_00081.jpg



Looking east at unauthorized ramp 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.57	Rating **	M	Issue No.	80 (cont)
LM End	2.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.214707 °	38.214707 °
				-121.538061 °	-121.538061 °
DWR ID	DWR_RD0563_01_f_2012_80				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed unauthorized ramp on landside slope. This ramp is not part of permit # 9146.					

Photo 2 of 2 : SP_2016_RD0563_210_80_20160308_00082.jpg



Looking southeast at unauthorized ramp on landside slope.

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.61	Rating **	M	Issue No.	39
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.214133 °	38.211737 °
				-121.537778 °	-121.535436 °
DWR ID	DWR_RD0563_01_s_2016_39				
Comment Code					
Inspector Comment					
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. 2015: Last observed in 2013. [2015 Site ID: GEO_9-3_L]					

Photo 1 of 1 : SP_2016_RD0563_210_39_20160308_00038.jpg



USACE 2013 Photo #1

LM Start	2.67	Rating **	A/W	Issue No.	149
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213460 °	38.213460 °
				-121.537085 °	-121.537085 °
DWR ID	DWR_RD0563_01_f_2014_149				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.70	Rating **	M	Issue No.	162
LM End	2.70	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 waterward shoulder.					

No Photos

LM Start	2.80	Rating **	M	Issue No.	158
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.212003°	38.212003°	
			-121.535480°	-121.535480°	
DWR ID	DWR_RD0563_01_f_2015_158				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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				
Comment Code					
MA : Material					
Inspector Comment					
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 : SP_2016_RD0563_210_104_20160308_00115.jpg



Looking west at concrete rubble on waterward shoulder and slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.89	Rating **	M	Issue No.	104 (cont)
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				
Comment Code					
MA : Material					
Inspector Comment					
Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence.					

Photo 2 of 2 : SP_2016_RD0563_210_104_20160308_00116.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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vines (Berry or wildroses) on landside toe.					

Photo 1 of 1 : SP_2016_RD0563_210_67_20160308_00060.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.00	Rating **	M	Issue No.	968
LM End	3.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.210209 °	38.210209 °
				-121.536313 °	-121.536313 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14885 DS_ID:20139 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. Need to verify disposition of pipe. FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 4.0 feet below crown. Siphon breaker in 24-inch CMP riser on landward shoulder. Open on both ends. Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover. FS Date: 6/11/2013					

Photo 1 of 1 : UCIP_SP_2016_14885_24548.jpg



24-inch CMP standpipe on LS slope.

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead berryvines at landside toe blocking view of toe.					

Photo 1 of 4 : SP_2016_RD0563_210_74_20160330_00244.jpg



Looking southeast at berryvines at landward toe., (Spring 2016)

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	74 (cont)
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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead berryvines at landside toe blocking view of toe.					

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

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

Photo 2 of 4 : SP_2016_RD0563_210_74_20160308_00067.jpg



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

Photo 3 of 4 : SP_2016_RD0563_210_74_20160308_00068.jpg



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

Photo 4 of 4 : SP_2016_RD0563_210_74_20160308_00069.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.06	Rating **	U	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landward shoulder and slope.					

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

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

Photo 1 of 5 : SP_2016_RD0563_210_78_20160330_00247.jpg



Looking west at finger erosion on landward slope. (Spring 2016)

Photo 2 of 5 : SP_2016_RD0563_210_78_20160308_00077.jpg



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

Photo 3 of 5 : SP_2016_RD0563_210_78_20160308_00078.jpg



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

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.06	Rating **	U	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landward shoulder and slope.					

Photo 4 of 5 : SP_2016_RD0563_210_78_20160308_00079.jpg



Looking east at slope erosion. (Updated Spring 2012)

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

Photo 5 of 5 : SP_2016_RD0563_210_78_20160308_00080.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	Vegetation			38.210005 °	38.209229 °
				-121.538452 °	-121.539855 °
DWR ID	DWR_RD0563_01_s_2015_763				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (willows) at landward toe.					

Photo 1 of 2 : SP_2016_RD0563_210_763_20160330_00248.jpg



Looking south at dense vegetation (willows) at landward toe. (Spring 2016)

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.11	Rating **	U	Issue No.	763 (cont)
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210005 °	38.209229 °
				-121.538452 °	-121.539855 °
DWR ID	DWR_RD0563_01_s_2015_763				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (willows) at landward toe.					

Photo 2 of 2 : SP_2016_RD0563_210_763_20160308_00141.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				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD0563_210_68_20160308_00061.jpg



Looking south at dense trees on landward slope.

LM Start	3.21	Rating **	U	Issue No.	68 (cont)
LM End	3.21	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_68_20160308_00062.jpg



Looking southeast at dense trees on landside slope and toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.25	Rating **	M	Issue No.	969
LM End	3.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208674 °	38.208674 °
				-121.540280 °	-121.540280 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14887 DS_ID:20140 EP_NO: 12708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe heavily corroded. Good candidate for viewo inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch pipe through levee 3.0 feet below crown. Slant pump and gate valve on waterward side. 9'X7' concrete distribution box on LS toe. Service pole on landward shoulder (Permit No. 12708, 1980). Replaced 8-inch pipe under Permit No. 11211 and 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14887_24550.jpg



Distribution box and JP on LS.

LM Start	3.25	Rating **	M	Issue No.	969 (cont)
LM End	3.25	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14887_24549.jpg



Pump and walkway on WS.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.39	Rating **	A/W	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense willows on waterward slope within the twenty foot zone.					

Photo 1 of 1 : SP_2016_RD0563_210_159_20160308_00137.jpg



Looking south at dense willows on waterward slope.

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation at landward toe.					

Photo 1 of 2 : SP_2016_RD0563_210_84_20160308_00085.jpg



Looking southeast at dead berryvines on 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.50	Rating **	A/W	Issue No.	84 (cont)
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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation at landward toe.					

Photo 2 of 2 : SP_2016_RD0563_210_84_20160308_00086.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	DWR_RD0563_01_s_2016_38				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_38_20160308_00037.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	4.24	Rating **	M	Issue No.	976
LM End	4.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.197004 °	38.197004 °
				-121.546162 °	-121.546162 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14923 DS_ID:20142 EP_NO: 5925 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to have PG&E determine status of pipe and mark as necessary. FIELD_STRUCT_DESC: 8.5-inch gas line through levee 3.0 feet below crown (Permit No. 5925, 1968). FS Date: 6/11/2013					

No Photos

LM Start	4.26	Rating **	M	Issue No.	971
LM End	4.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.196725 °	38.196725 °
				-121.546310 °	-121.546310 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16244 DS_ID:23971 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown. FIELD_STRUCT_DESC: 4.5-inch gas line through the levee at an unknown depth below the crown. Cut in pavement and Pipe visible on WS toe. (Permit No. 15539) FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_16244_27390.jpg



Cut in pavement with USAA markings for gasoline.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	4.26	Rating **	M	Issue No.	971 (cont)
LM End	4.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.196725 °	38.196725 °
				-121.546310 °	-121.546310 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16244 DS_ID:23971 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown. FIELD_STRUCT_DESC: 4.5-inch gas line through the levee at an unknown depth below the crown. Cut in pavement and Pipe visible on WS toe. (Permit No. 15539) FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_16244_27389.jpg



Cut in pavement with USAA markings for gasoline.

LM Start	4.48	Rating **	M	Issue No.	93
LM End	4.59	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.194424 °	38.193415 °
				-121.548952 °	-121.550632 °
DWR ID	DWR_RD0563_01_f_2012_93				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch at landside toe should be removed.					

Photo 1 of 1 : SP_2016_RD0563_210_93_20160308_00103.jpg



Looking south at irrigation ditch at landside toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	4.63	Rating **	U	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				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_88_20160308_00093.jpg



Looking south at dense trees on landside slope and toe.

LM Start	4.75	Rating **	M	Issue No.	977
LM End	4.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.191864 °	38.191864 °
				-121.552606 °	-121.552606 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14927 DS_ID:20145 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder. FIELD_STRUCT_DESC: 4 of 5: 10-inch pipe through levee 3.8 feet below crown. Siphon breaker on landward shoulder. Slant pump off WS toe. Booster and filter station off LS toe. Abandoned concrete distribution box at LS toe. 1-inch galvanized iron electrical conduit at same location (ABO No.11205, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14927_24590.jpg



Pipe, distribution box, JP, electrical conduit, and booster/filter system on LS.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	4.75	Rating **	M	Issue No.	977 (cont)
LM End	4.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.191864 °	38.191864 °
				-121.552606 °	-121.552606 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14927 DS_ID:20145 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder. FIELD_STRUCT_DESC: 4 of 5: 10-inch pipe through levee 3.8 feet below crown. Siphon breaker on landward shoulder. Slant pump off WS toe. Booster and filter station off LS toe. Abandoned concrete distribution box at LS toe. 1-inch galvanized iron electrical conduit at same location (ABO No.11205, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_14927_24589.jpg



Pipe on WS slope.

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	DWR_RD0563_01_s_2016_45				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_45_20160308_00044.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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	DWR_RD0563_01_s_2016_46				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_46_20160308_00045.jpg



USACE 2013 Photo #1

LM Start	5.15	Rating **	M	Issue No.	163
LM End	5.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.188121°	38.188121°
				-121.558359°	-121.558359°
DWR ID	DWR_RD0563_01_s_2016_163				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_163_20160330_00249.jpg



Looking west at garbage 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	5.17	Rating **	M	Issue No.	978
LM End	5.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.187938 °	38.187938 °
				-121.558495 °	-121.558495 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14943 DS_ID:20146 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify wether or not pipe has been abandoned. FIELD_STRUCT_DESC: 5 of 5: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward end. Siphon breaker on landward shoulder. (ABO No. 11205, 1971). Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover, reinforced concrete spillbox. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14943_24595.jpg



Distribution box and 24-inch CMP riser on LS slope.

LM Start	5.17	Rating **	M	Issue No.	978 (cont)
LM End	5.17	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_14943_24594.jpg



Inside distribution box at LS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	5.40	Rating **	A/W	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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	DWR_RD0563_01_s_2016_55				
Comment Code					
Inspector Comment					
<p>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]</p>					

Photo 1 of 1 : SP_2016_RD0563_210_55_20160308_00053.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	5.87	Rating **	M	Issue No.	955
LM End	5.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182398 °	38.182398 °
				-121.569078 °	-121.569078 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16289 DS_ID:20148 EP_NO: 1826 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch discharge pipe through levee 2.7 feet below crown (Permit No. 1826, 1959). FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_16289_27439.jpg



Pipe visible on LS slope.

LM Start	5.87	Rating **	M	Issue No.	955 (cont)
LM End	5.87	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_16289_27438.jpg



Pipe visible on WS shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	5.88	Rating **	M	Issue No.	979
LM End	5.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182334 °	38.182334 °
				-121.569193 °	-121.569193 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14949 DS_ID:20175 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward side. Siphon breaker on landward shoulder. 7'X9' concrete distribution box at LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14949_24603.jpg



Slide gate at pump on WS slope

LM Start	5.88	Rating **	M	Issue No.	979 (cont)
LM End	5.88	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_14949_24602.jpg



Pipe at WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large cactus on landward slope.					

Photo 1 of 2 : SP_2016_RD0563_210_22_20160308_00023.jpg



Looking at north end of cactus on the landside slope.

LM Start	5.92	Rating **	U	Issue No.	22 (cont)
LM End	5.96	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_22_20160308_00024.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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.00	Rating **	A/W	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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.01	Rating **	M	Issue No.	980
LM End	6.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181477 °	38.181477 °
				-121.571417 °	-121.571417 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14950 DS_ID:20149 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee 4.8 feet below the crown. Vent/filler pipe on LS shoulder. 7'X9' concrete distribution box on LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M manual with the description 2" air and primer valve, reinforced concrete spillbox. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14950_24607.jpg



Vent/filler pipe exposed on LS shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.01	Rating **	M	Issue No.	980 (cont)
LM End	6.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181477 °	38.181477 °
				-121.571417 °	-121.571417 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14950 DS_ID:20149 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee 4.8 feet below the crown. Vent/filler pipe on LS shoulder. 7'X9' concrete distribution box on LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M manual with the description 2" air and primer valve, reinforced concrete spillbox. FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_14950_24606.jpg



Outlet pipe in distribution box on LS toe.

LM Start	6.07	Rating **	M	Issue No.	981
LM End	6.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181347 °	38.181347 °
				-121.572459 °	-121.572459 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14963 DS_ID:20150 EP_NO: 11200 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for 10-inch irrigation pipe that is sleeved through the 18-inch. FIELD_STRUCT_DESC: 18-inch steel conduit through the levee 5.2 feet below the crown. 10-inch steel irrigation siphon sleeved through the 18-inch pipe. Siphon breaker in 24-inch CMP riser on LS shoulder. Air vent on pipe LS slope. Slide gate at booster/filter plant off LS toe (ABO No. 11200, 1971). Originally included in the 1954 O&M manual stating the pipe was plugged. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14963_24622.jpg



10-inch pipe sleeved through 18-inch conduit.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.07	Rating **	M	Issue No.	981 (cont)
LM End	6.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.181347 °	38.181347 °
				-121.572459 °	-121.572459 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14963 DS_ID:20150 EP_NO: 11200 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for 10-inch irrigation pipe that is sleeved through the 18-inch. FIELD_STRUCT_DESC: 18-inch steel conduit through the levee 5.2 feet below the crown. 10-inch steel irrigation siphon sleeved through the 18-inch pipe. Siphon breaker in 24-inch CMP riser on LS shoulder. Air vent on pipe LS slope. Slide gate at booster/filter plant off LS toe (ABO No. 11200, 1971). Originally included in the 1954 O&M manual stating the pipe was plugged. FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_14963_24621.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

LM Start	6.26	Rating **	A/W	Issue No.	23
LM End	6.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181273 °	38.181165 °
				-121.575873 °	-121.576217 °
DWR ID	DWR_RD0563_01_s_2012_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_23_20160308_00025.jpg



Looking south at trees on landward shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.38	Rating **	M	Issue No.	44
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.180462°	38.179319°
				-121.577895°	-121.578566°
DWR ID	DWR_RD0563_01_s_2016_44				
Comment Code					
Inspector Comment					
2013 - Erosion pockets into the levee prism. Erosion pockets primarily located behind unmaintained brush boxes. 2015: Last observed in 2013. [2015 Site ID: GEO_5-8_L]					

Photo 1 of 1 : SP_2016_RD0563_210_44_20160308_00043.jpg



USACE 2013 Photo #1

LM Start	6.46	Rating **	U	Issue No.	25
LM End	6.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.179250°	38.177533°
				-121.578347°	-121.579087°
DWR ID	DWR_RD0563_01_s_2012_25				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_25_20160308_00026.jpg



Looking southeast at dense landscaping on landside 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.57	Rating **	M	Issue No.	982
LM End	6.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.177779 °	38.177779 °
				-121.578995 °	-121.578995 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14966 DS_ID:20152 EP_NO: 11201 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through levee 4.7 feet below crown. Pump and gate valve on waterward berm. 4-foot diameter concrete standpipe on LS toe. Y-ramp on waterward slope (ABO No. 11201, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_14966_24628.jpg



No connection to pump on WS shoulder.

LM Start	6.57	Rating **	M	Issue No.	982 (cont)
LM End	6.57	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14966_24627.jpg



Pump and pipe on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.59	Rating **	U	Issue No.	164
LM End	6.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.177438 °	38.177033 °	
			-121.579151 °	-121.579344 °	
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 (vines) at landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_164_20160330_00250.jpg



Looking east at dense vegetation (vines) at landward toe.

LM Start	6.64	Rating **	M	Issue No.	766
LM End	6.64	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

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.64	Rating **	M	Issue No.	51
LM End	7.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.176861 °	38.167959 °
				-121.579747 °	-121.581616 °
DWR ID	DWR_RD0563_01_s_2016_51				
Comment Code					
Inspector Comment					
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. 2015: Last observed in 2013. [2015 Site ID: GEO_5-3_L]					

Photo 1 of 1 : SP_2016_RD0563_210_51_20160308_00050.jpg



USACE 2013 Photo #1

LM Start	6.66	Rating **	M	Issue No.	987
LM End	6.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.176465 °	38.176465 °
				-121.579615 °	-121.579615 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40790 DS_ID:20153 EP_NO: 11202 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch pipe through the levee 4.5 feet below crown. Vent/filler pipe in 24-inch CMP riser on landward shoulder and a 7'X9' concrete distribution box on LS toe (ABO No. 11202, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013					

Photo 1 of 2 : UCIP_SP_2016_40790_24633.jpg



7'X9' concrete distribution box on LS toe.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.66	Rating **	M	Issue No.	987 (cont)
LM End	6.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.176465 °	38.176465 °
				-121.579615 °	-121.579615 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40790 DS_ID:20153 EP_NO: 11202 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch pipe through the levee 4.5 feet below crown. Vent/filler pipe in 24-inch CMP riser on landward shoulder and a 7'X9' concrete distribution box on LS toe (ABO No. 11202, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013					

Photo 2 of 2 : UCIP_SP_2016_40790_24632.jpg



24-inch CMP standpipe with vent/filler pipe on LS shoulder.

LM Start	6.74	Rating **	A/W	Issue No.	105
LM End	6.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175444 °	38.175444 °
				-121.580054 °	-121.580054 °
DWR ID	DWR_RD0563_01_f_2013_105				
Comment Code					
TR : Tree or limb					
Inspector Comment					

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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.75	Rating **	U	Issue No.	145
LM End	6.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.175219 °	38.174743 °
				-121.580053 °	-121.580016 °
DWR ID	DWR_RD0563_01_s_2014_145				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees blocking view of landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_145_20160308_00132.jpg



Looking southeast at dense vegetation on landward slope and toe.

LM Start	6.80	Rating **	U	Issue No.	75
LM End	6.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174598 °	38.173560 °
				-121.579972 °	-121.579725 °
DWR ID	DWR_RD0563_01_s_2013_75				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense landscaping on landward shoulder,slope and toe.					

Photo 1 of 1 : SP_2016_RD0563_210_75_20160330_00251.jpg



Looking south at dense landscaping on landward shoulder and slope. (Spring 2016)

LM Start	6.82	Rating **	M	Issue No.	82
LM End	6.82	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.174235 °	38.174235 °
				-121.579898 °	-121.579898 °
DWR ID	DWR_RD0563_01_s_2012_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree branch on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_82_20160308_00083.jpg



Looking south 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.89	Rating **	M	Issue No.	87
LM End	6.89	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

LM Start	6.95	Rating **	M	Issue No.	95
LM End	6.95	Issue Type +	Ma	Location *	WS
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					
PR : Prunings					
Inspector Comment					
Prunings should be burned or removed from waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_95_20160308_00104.jpg



Looking southwest at prunings on waterward slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.04	Rating **	M	Issue No.	983
LM End	7.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.171156°	38.171156°
				-121.579756°	-121.579756°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14968 DS_ID:20154 EP_NO: 11214 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify type of abandonment. Wide berm on LS toe with some evidence of steel slide gate in soil at berm. FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Siphon breaker on waterward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual with the description 1" air and primer valve, reinforced concrete spillbox. FS Date: 6/13/2013					

LM Start	7.04	Rating **	M	Issue No.	983 (cont)
LM End	7.04	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_14968_24637.jpg



Steel parts on LS toe may indicate location of distribution box.

Photo 2 of 2 : UCIP_SP_2016_14968_24636.jpg



Steel parts on LS toe may indicate location of distribution box.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.14	Rating **	U	Issue No.	151
LM End	7.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.169705 °	38.169705 °
				-121.580355 °	-121.580355 °
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 berryvines at landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_151_20160330_00252.jpg



Looking southeast at dense vegetation at landward toe.

LM Start	7.36	Rating **	M	Issue No.	986
LM End	7.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.166832 °	38.166832 °
				-121.582112 °	-121.582112 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42743 DS_ID:20155 EP_NO: 11214 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation siphon through the levee 0.5-feet below the crown. Vent and filler pipe on landward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_42743_24641.jpg



Pipe visible on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.36	Rating **	M	Issue No.	986 (cont)
LM End	7.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.166832 °	38.166832 °
				-121.582112 °	-121.582112 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42743 DS_ID:20155 EP_NO: 11214 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation siphon through the levee 0.5-feet below the crown. Vent and filler pipe on landward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 2 of 2 : UCIP_SP_2016_42743_24640.jpg



Pipe, vent, and filler valve on LS shoulder.

LM Start	7.42	Rating **	U	Issue No.	27
LM End	7.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.165981 °	38.165273 °
				-121.582394 °	-121.582593 °
DWR ID	DWR_RD0563_01_s_2015_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_27_20160308_00028.jpg



Looking southeast at dense vegetation within landward right away.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.50	Rating **	A/W	Issue No.	89
LM End	7.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.164927 °	38.164927 °	
			-121.582680 °	-121.582680 °	
DWR ID	DWR_RD0563_01_s_2012_89				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree branch on waterside slope.					

Photo 1 of 1 : SP_2016_RD0563_210_89_20160308_00094.jpg



Looking southwest at downed limbs on waterside slope.

LM Start	7.52	Rating **	A/W	Issue No.	152
LM End	7.52	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.164648 °	38.164648 °	
			-121.582793 °	-121.582793 °	
DWR ID	DWR_RD0563_01_f_2014_152				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree branch on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_152_20160308_00134.jpg



Looking west at tree branch on waterward slope.

LM Start	7.53	Rating **	A/W	Issue No.	146
LM End	7.53	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.164509 °	38.164509 °	
			-121.582807 °	-121.582807 °	
DWR ID	DWR_RD0563_01_s_2014_146				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_146_20160308_00133.jpg



Looking west at garbage on waterward slope and toe.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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	DWR_RD0563_01_s_2016_53				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_53_20160308_00051.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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Minor erosion on landside shoulder and slope.					

Photo 1 of 1 : SP_2016_RD0563_210_97_20160308_00107.jpg



Looking east at slope 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.72	Rating **	M	Issue No.	975
LM End	7.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.161873 °	38.161873 °
				-121.584109 °	-121.584109 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16304 DS_ID:20185 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slight depression in crown along pipe alignment may be indication of pipe internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch pipe through levee 5.1 feet below crown. Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_16304_27464.jpg



Pipe visible on WS toe.

LM Start	7.72	Rating **	M	Issue No.	975 (cont)
LM End	7.72	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_16304_27463.jpg



Pipe visible on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dense (untrimmed) trees on landward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_29_20160308_00031.jpg



Looking southeast at dense trees on landward slope and toe.

LM Start	7.79	Rating **	M	Issue No.	165
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.160997 °	38.160997 °	
			-121.584539 °	-121.584539 °	
DWR ID	DWR_RD0563_01_s_2016_165				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree branch on waterward slope.					

No Photos

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berryvines and willows on landside toe.					

Photo 1 of 5 : SP_2016_RD0563_210_90_20160308_00095.jpg



Looking southeast at dense vegetation at landward toe. (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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berryvines and willows on landside toe.					

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

Photo 2 of 5 : SP_2016_RD0563_210_90_20160308_00096.jpg



Looking northeast at dense vegetation on landside toe.

Photo 3 of 5 : SP_2016_RD0563_210_90_20160308_00097.jpg



Looking south 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 4 of 5 : SP_2016_RD0563_210_90_20160308_00098.jpg



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

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berryvines and willows on landside toe.					

Photo 5 of 5 : SP_2016_RD0563_210_90_20160308_00099.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	DWR_RD0563_01_s_2016_13				
Comment Code					
Inspector Comment					
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. 2015: Last observed in 2013. [2015 Site ID: GEO_4-3_L]					

Photo 1 of 1 : SP_2016_RD0563_210_13_20160308_00018.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.92	Rating **	M	Issue No.	972
LM End	7.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159207 °	38.159207 °
				-121.585304 °	-121.585304 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16263 DS_ID:23973 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine disposition of all gas lines in this immediate area. FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_16263_27401.jpg



Sign on WS shoulder.

LM Start	7.92	Rating **	M	Issue No.	972 (cont)
LM End	7.92	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_16263_27400.jpg



Sign on WS shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.92	Rating **	M	Issue No.	973
LM End	7.92	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.159148 °	38.159148 °	
			-121.585329 °	-121.585329 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16265 DS_ID:23974 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of all gaslines in this immediate area. FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_16265_27407.jpg



Sign on WS shoulder.

LM Start	7.92	Rating **	M	Issue No.	973 (cont)
LM End	7.92	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_16265_27406.jpg



Sign on WS shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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	DWR_RD0563_01_s_2016_40				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_40_20160308_00039.jpg



USACE 2013 Photo #1

LM Start	8.13	Rating **	M	Issue No.	963
LM End	8.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.156884 °	38.156884 °
				-121.587464 °	-121.587464 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14988 DS_ID:20160 EP_NO: 9145 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe. FIELD_STRUCT_DESC: 2 of 2: 16-inch pipe through levee 3.0 feet below crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on LS shoulder with and a slide gate in a 48-inch steel standpipe on the LS toe (ABO No. 9145, 1973). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_14988_24670.jpg



air vent/filler pipe on LS shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	8.13	Rating **	M	Issue No.	963 (cont)
LM End	8.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.156884 °	38.156884 °
				-121.587464 °	-121.587464 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14988 DS_ID:20160 EP_NO: 9145 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe. FIELD_STRUCT_DESC: 2 of 2: 16-inch pipe through levee 3.0 feet below crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on LS shoulder with and a slide gate in a 48-inch steel standpipe on the LS toe (ABO No. 9145, 1973). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 2 of 2 : UCIP_SP_2016_14988_24669.jpg



Slide gate in steel riser on LS toe.

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation blocking landward toe.					

Photo 1 of 1 : SP_2016_RD0563_210_767_20160308_00142.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	8.38	Rating **	U	Issue No.	31
LM End	8.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.155974 °	38.155543 °	
			-121.591452 °	-121.591595 °	
DWR ID	DWR_RD0563_01_s_2012_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_31_20160308_00032.jpg



Looking southeast at untrimmed trees on landward slope and toe.

LM Start	8.47	Rating **	M	Issue No.	964
LM End	8.47	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.154648 °	38.154648 °	
			-121.591609 °	-121.591609 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14990 DS_ID:20161 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 11: 12-inch steel irrigation siphon pipe through the levee 3.6 feet below the crown. Vent/filler pipe on the landward shoulder and a slide gate in a 7'X9' concrete distribution box on LS toe (ABO No. 11217, 1971). Originally included in 1954 O&M manual. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_14990_24677.jpg



Pipe visibel behind trees on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	8.47	Rating **	M	Issue No.	964 (cont)
LM End	8.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.154648 °	38.154648 °
				-121.591609 °	-121.591609 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14990 DS_ID:20161 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 11: 12-inch steel irrigation siphon pipe through the levee 3.6 feet below the crown. Vent/filler pipe on the landward shoulder and a slide gate in a 7'X9' concrete distribution box on LS toe (ABO No. 11217, 1971). Originally included in 1954 O&M manual. FS Date: 6/13/2013					

Photo 2 of 2 : UCIP_SP_2016_14990_24676.jpg



Pipe visibel behind trees on WS toe.

LM Start	8.88	Rating **	M	Issue No.	956
LM End	8.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.150420 °	38.150420 °
				-121.586840 °	-121.586840 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16292 DS_ID:20163 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Slide gate broken. FIELD_STRUCT_DESC: 3 of 11: 14-inch pipe through the levee 4.2 feet below the crown. Vent/filler pipe on landward shoulder. Slide gate in 7'X9' concrete distribution box on LS toe (ABO No.11217, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_16292_27453.jpg



Pipe visible on WS toe. See damage to pipe at bend.

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	8.88	Rating **	M	Issue No.	956 (cont)
LM End	8.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.150420 °	38.150420 °
				-121.586840 °	-121.586840 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16292 DS_ID:20163 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Slide gate broken. FIELD_STRUCT_DESC: 3 of 11: 14-inch pipe through the levee 4.2 feet below the crown. Vent/filler pipe on landward shoulder. Slide gate in 7'X9' concrete distribution box on LS toe (ABO No.11217, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 2 of 2 : UCIP_SP_2016_16292_27452.jpg



Concrete distribution box at LS toe.

LM Start	9.04	Rating **	M	Issue No.	166
LM End	11.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.148174 °	38.130734 °
				-121.586156 °	-121.579887 °
DWR ID	DWR_RD0563_01_s_2016_166				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	9.14	Rating **	A/W	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				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_98_20160308_00108.jpg



Looking southeast 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile on landward toe.					

Photo 1 of 2 : SP_2016_RD0563_210_73_20160308_00065.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 : SP_2016_RD0563_210_73_20160308_00066.jpg



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

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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_769_20160308_00143.jpg



Looking east at dense vegetation at landward toe. (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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	9.56	Rating **	M	Issue No.	974
LM End	9.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.148741 °	38.148741 °
				-121.592048 °	-121.592048 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16268 DS_ID:20166 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned as stand pipe is partially filled with soil. Abandon properly. No pictures taken. FIELD_STRUCT_DESC: 6 of 11: 10-inch pipe through levee 3.8 feet below crown. Vent/filler pipe on LS shoulder. 4-foot diameter concrete standpipe on LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

No Photos

LM Start	9.64	Rating **	U	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				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Vegetation blocking view of levee slope.					

Photo 1 of 1 : SP_2016_RD0563_210_36_20160308_00036.jpg



Looking south at elderberry 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Finger erosion on landward shoulder and slope.					

Photo 1 of 2 : SP_2016_RD0563_210_99_20160308_00109.jpg



Looking west at minor erosion on landward shoulder and slope.

LM Start	9.65	Rating **	M	Issue No.	99 (cont)
LM End	9.65	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_RD0563_210_99_20160308_00110.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	DWR_RD0563_01_s_2016_41				
Comment Code					
Inspector Comment					
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 : SP_2016_RD0563_210_41_20160308_00040.jpg



USACE 2013 Photo #1

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

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				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	10.45	Rating **	M	Issue No.	43
LM End	10.74	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.143519 °	38.139918 °	
			-121.599677 °	-121.596986 °	
DWR ID	DWR_RD0563_01_s_2016_43				
Comment Code					
Inspector Comment					
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. 2015: Last observed in 2013. [2015 Site ID: GEO_1-7_L]					

Photo 1 of 1 : SP_2016_RD0563_210_43_20160308_00042.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.59	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			38.141957 °	38.141362 °
				-121.598058 °	-121.597598 °
DWR ID	DWR_RD0563_01_s_2012_77				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes and rodents noted at this site.					

LM Start	10.59	Rating **	U	Issue No.	77 (cont)
LM End	10.64	Issue Type +	Ma	Location *	LS

LM Start	10.59	Rating **	U	Issue No.	77 (cont)
LM End	10.64	Issue Type +	Ma	Location *	LS

Photo 1 of 4 : SP_2016_RD0563_210_77_20160330_00253.jpg



Looking at typical rodent hole on landward slope. (Spring 2016)

Photo 2 of 4 : SP_2016_RD0563_210_77_20160308_00074.jpg



Looking southeast at several rodent holes on landward slope.

Photo 3 of 4 : SP_2016_RD0563_210_77_20160308_00075.jpg



Looking south at 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.59	Rating **	U	Issue No.	77 (cont)
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.141957 °	38.141362 °	
			-121.598058 °	-121.597598 °	
DWR ID	DWR_RD0563_01_s_2012_77				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes and rodents noted at this site.					

Photo 4 of 4 : SP_2016_RD0563_210_77_20160308_00076.jpg



Looking at typical rodent holes on landward slope.

LM Start	10.59	Rating **	M	Issue No.	76
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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Deep depression on landside shoulder and slope; possible pipe collapse.					

Photo 1 of 4 : SP_2016_RD0563_210_76_20160308_00070.jpg



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

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

Photo 2 of 4 : SP_2016_RD0563_210_76_20160308_00071.jpg



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

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.59	Rating **	M	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				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Deep depression on landside shoulder and slope; possible pipe collapse.					

Photo 3 of 4 : SP_2016_RD0563_210_76_20160308_00072.jpg



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

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

Photo 4 of 4 : SP_2016_RD0563_210_76_20160308_00073.jpg



Looking west at depression on landside shoulder and slope.

LM Start	10.67	Rating **	U	Issue No.	100
LM End	10.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140886 °	38.139079 °
				-121.597280 °	-121.596214 °
DWR ID	DWR_RD0563_01_s_2013_100				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild rose or grape vines on landward slope and toe.					

Photo 1 of 3 : SP_2016_RD0563_210_100_20160308_00111.jpg



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

* 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.67	Rating **	U	Issue No.	100 (cont)
LM End	10.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140886 °	38.139079 °
				-121.597280 °	-121.596214 °
DWR ID	DWR_RD0563_01_s_2013_100				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild rose or grape vines on landward slope and toe.					

LM Start	10.67	Rating **	U	Issue No.	100 (cont)
LM End	10.81	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2016_RD0563_210_100_20160308_00112.jpg



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

Photo 3 of 3 : SP_2016_RD0563_210_100_20160308_00113.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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.99	Rating **	M	Issue No.	970
LM End	10.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.136937 °	38.136937 °
				-121.594521 °	-121.594521 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15002 DS_ID:20170 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe does not have appropriate clearance at Levee crown. FIELD_STRUCT_DESC: 9 of 11: 16-inch steel irrigation siphon pipe through the levee 1-foot below the crown. Air vent/filler pipe on LS shoulder. Slide gate in 5-foot diameter steel standpipe on LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_15002_24691.jpg



Vent/filler on pipe at LS shoulder.

LM Start	10.99	Rating **	M	Issue No.	970 (cont)
LM End	10.99	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_15002_24690.jpg



slide gate in steel riser on LS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	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				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_770_20160308_00144.jpg



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

LM Start	11.24	Rating **	M	Issue No.	167
LM End	11.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.134224 °	38.134224 °	
			-121.591406 °	-121.591406 °	
DWR ID	DWR_RD0563_01_s_2016_167				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings on waterward slope.					

Photo 1 of 1 : SP_2016_RD0563_210_167_20160330_00254.jpg



Looking west at prunings on waterward slope.

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				
Comment Code					
PR : Prunings					
Inspector Comment					

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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	11.45	Rating **	M	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 3 : SP_2016_RD0563_210_91_20160308_00100.jpg



Looking east at rodent hole on landside slope.

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

Photo 2 of 3 : SP_2016_RD0563_210_91_20160308_00101.jpg



Looking west at rodent hole on landside slope.

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

Photo 3 of 3 : SP_2016_RD0563_210_91_20160308_00102.jpg



Looking south at rodent holes 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	11.76	Rating **	M	Issue No.	984 (cont)
LM End	11.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.130291 °	38.130291 °
				-121.583981 °	-121.583981 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15004 DS_ID:20174 EP_NO: 11217 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 11 of 11: 12-inch steel irrigation siphon pipe through the levee 4.5 feet below the crown. Air vent on landward shoulder and slide gate in 7'X9' concrete distribution box at LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013					

Photo 2 of 2 : UCIP_SP_2016_15004_24704.jpg



Distribution box and slide gate visible on LS toe.

LM Start	11.89	Rating **	A/W	Issue No.	954
LM End	11.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130607 °	38.130607 °
				-121.581710 °	-121.581710 °
DWR ID	DWR_RD0563_01_s_2012_954				
Comment Code					
PR : Prunings					
Inspector Comment					

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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	12.00	Rating **	M	Issue No.	957
LM End	12.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.130730 °	38.130730 °
				-121.579616 °	-121.579616 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15028 DS_ID:20182 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify pipe is properly abandoned. FIELD_STRUCT_DESC: 1 of 2: 36-inch pipe through the levee 4-feet below the crown. Shut-off valve at pump. Pipe visible on WS at headwall. Originally included in the 1954 O&M manual. Replaced by a 30-inch pipe under Permit No. 2635. FS Date: 6/13/2013					

Photo 1 of 2 : UCIP_SP_2016_15028_24736.jpg



Pipe at concrete headwall on WS slope.

LM Start	12.00	Rating **	M	Issue No.	957 (cont)
LM End	12.00	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_15028_24735.jpg



Pipe at concrete headwall on WS 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**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	12.03	Rating **	A/W	Issue No.	160
LM End	12.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.130774 °	38.130678 °
				-121.579210 °	-121.577967 °
DWR ID	DWR_RD0563_01_f_2015_160				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	12.03	Rating **	A/W	Issue No.	107
LM End	12.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130776 °	38.130776 °
				-121.579063 °	-121.579063 °
DWR ID	DWR_RD0563_01_f_2013_107				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_107_20160308_00117.jpg



Looking southwest at garbage at waterward slope and toe.

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				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD0563_210_47_20160308_00046.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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