

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	57
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0501_01_f_2014_57				
Action/Comments					
Inspector Comments: District has the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0501_01_s_2012_58				
Action/Comments					
Inspector Comments: RD 501 has emergency supplies in storage.					

No Photos

LM Start		Rating **	A	Issue No.	59
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0501_01_s_2012_59				
Action/Comments					
Inspector Comments: Crew members have been trained and are prepared for a flood.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	0.04	Rating **	A	Issue No.	4
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.230288 °	-121.603781 °	
			38.253518 °	-121.602252 °	
DWR ID	DWR_RD0501_01_s_2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0501_169_4_20151005_00012.jpg



RD 501 Unit 1 looking downstream from the landside levee slope.

LM Start	0.06	Rating **	A	Issue No.	13
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.253822 °	38.240213 °	
			-121.602022 °	-121.603910 °	
DWR ID	DWR_RD0501_01_f_2015_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The slope landward has been mowed at this location.					

No Photos

LM Start	0.06	Rating **	A	Issue No.	16
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.253822 °	38.240213 °	
			-121.602022 °	-121.603905 °	
DWR ID	DWR_RD0501_01_f_2015_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	0.68	Rating **	M	Issue No.	18
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.245010 °	38.244523 °	
			-121.602955 °	-121.602940 °	
DWR ID	DWR_RD0501_01_s_2012_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.70	Rating **	M	Issue No.	71
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.244667 °	38.237470 °	
			-121.602967 °	-121.604418 °	
DWR ID	DWR_RD0501_01_s_2012_71				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are rodents present in this area, district need to place bait stations in this area.					

No Photos

LM Start	1.02	Rating **	M	Issue No.	29
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240107 °	38.239057 °	
			-121.603962 °	-121.604300 °	
DWR ID	DWR_RD0501_01_f_2015_29				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	1.17	Rating **	A	Issue No.	33
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.238027 °	38.235477 °	
			-121.604455 °	-121.604217 °	
DWR ID	DWR_RD0501_01_f_2015_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The landside slope at this location has been mowed.					

No Photos

LM Start	1.34	Rating **	M	Issue No.	35
LM End	2.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.235477 °	38.215903 °	
			-121.604217 °	-121.607568 °	
DWR ID	DWR_RD0501_01_f_2015_35				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.92	Rating **	M	Issue No.	131
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.227247 °	38.223326 °	
			-121.604157 °	-121.603497 °	
DWR ID	DWR_RD0501_01_f_2013_131				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.225500 °	38.224738 °	
			-121.603887 °	-121.603750 °	
DWR ID	DWR_RD0501_01_s_2012_26				
Action/Comments					
Note and monitor erosion site.					

No Photos

LM Start	2.23	Rating **	M	Issue No.	27
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.222758 °	38.222030 °	
			-121.603348 °	-121.603303 °	
DWR ID	DWR_RD0501_01_s_2012_27				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.31	Rating **	U	Issue No.	116
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.221620 °	38.221620 °	
			-121.603390 °	-121.603393 °	
DWR ID	DWR_RD0501_01_f_2014_116				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim the trees to allow slope to be seen.					

Photo 1 of 1 : FA_2015_RD0501_169_116_20151005_00014.jpg



Looking downstream at the woody tree growth on the landward levee 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	2.55	Rating **	M	Issue No.	32
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.218470 °	38.217875 °	
			-121.605105 °	-121.605532 °	
DWR ID	DWR_RD0501_01_s_2012_32				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	34
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.217030 °	38.216408 °	
			-121.606303 °	-121.607057 °	
DWR ID	DWR_RD0501_01_s_2012_34				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.84	Rating **	M	Issue No.	36
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.215112 °	38.208925 °	
			-121.608273 °	-121.611162 °	
DWR ID	DWR_RD0501_01_s_2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	2.85	Rating **	M	Issue No.	3
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.214838 °	38.214075 °
				-121.608129 °	-121.608750 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2015: No observed changes. [2015 Site ID: STM_18-9_R]					

Photo 1 of 1 : USACE2013A_STM_18-9_R_3.jpg



USACE 2013 Photo #1

LM Start	3.04	Rating **	M	Issue No.	2
LM End	3.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.212573 °	38.211596 °
				-121.609760 °	-121.609928 °
DWR ID					
Action/Comments					
Inspector Comments: 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2015: No observed changes. [2015 Site ID: STM_18-8_R]					

Photo 1 of 1 : USACE2013A_STM_18-8_R_5.jpg



USACE 2013 Photo #1

LM Start	3.25	Rating **	M	Issue No.	41
LM End	3.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209548 °	38.208632 °
				-121.610882 °	-121.611275 °
DWR ID	DWR_RD0501_01_s_2012_41				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* 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
--	--	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	3.33	Rating **	M	Issue No.	43
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.208468 °	38.208292 °	
			-121.611348 °	-121.611437 °	
DWR ID	DWR_RD0501_01_s_2012_43				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim trees 5-feet above ground, can't see levee slope.					

Photo 1 of 1 : FA_2015_RD0501_169_43_20150915_00004.jpg



Woody tree growth on levee slope and shoulder of the landside. No new photo taken.

LM Start	3.48	Rating **	M	Issue No.	140
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.206494 °	38.205020 °	
			-121.612244 °	-121.612824 °	
DWR ID	DWR_RD0501_01_f_2013_140				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: RD 501 was working in this area during inspection and plans to remove these berries.					

Photo 1 of 1 : FA_2015_RD0501_169_140_20151005_00016.jpg



Unsatisfactory wild growth of berries on the landward levee slope and toe.

LM Start	3.73	Rating **	M	Issue No.	49
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.202997 °	38.202730 °	
			-121.613447 °	-121.613520 °	
DWR ID	DWR_RD0501_01_s_2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	3.74	Rating **	M	Issue No.	79
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.202818 °	38.197492 °	
			-121.613545 °	-121.616342 °	
DWR ID	DWR_RD0501_01_s_2012_79				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.75	Rating **	U	Issue No.	974
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.202657 °	38.197778 °	
			-121.613553 °	-121.616080 °	
DWR ID	DWR_RD0501_01_s_2012_974				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild growth from the waterside slope.					

Photo 1 of 1 : FA_2015_RD0501_169_974_20151005_00017.jpg



Unsatisfactory wild tree growth on the waterside slope.

LM Start	4.16	Rating **	M	Issue No.	17
LM End	4.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.197277 °	38.196657 °	
			-121.616550 °	-121.617286 °	
DWR ID	DWR_RD0501_01_s_2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	4.38	Rating **	M	Issue No.	19
LM End	4.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.195332 °	38.195310 °	
			-121.619749 °	-121.619801 °	
DWR ID	DWR_RD0501_01_s_2012_19				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	4.95	Rating **	M	Issue No.	977
LM End	4.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.195057 °	38.195068 °	
			-121.629965 °	-121.630173 °	
DWR ID	DWR_RD0501_01_s_2012_977				
Action/Comments					
Equipment					

No Photos

LM Start	5.08	Rating **	M	Issue No.	45
LM End	5.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.194955 °	38.190988 °	
			-121.632220 °	-121.641592 °	
DWR ID	DWR_RD0501_01_f_2015_45				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	5.27	Rating **	M	Issue No.	65
LM End	5.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.193805 °	38.192457 °	
			-121.635391 °	-121.637997 °	
DWR ID	DWR_RD0501_01_f_2012_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.39	Rating **	M	Issue No.	978
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.192878 °	38.192588 °	
			-121.637332 °	-121.637802 °	
DWR ID	DWR_RD0501_01_f_2013_978				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: The district has scheduled for these trees to be trimmed.					

No Photos

LM Start	5.71	Rating **	M	Issue No.	24
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.190590 °	38.190246 °	
			-121.642468 °	-121.643164 °	
DWR ID	DWR_RD0501_01_s_2012_24				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	5.77	Rating **	M	Issue No.	1
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.190001 °	38.189311 °
				-121.643160 °	-121.643917 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013 - Site has fresh erosion and taller vertical sections. 2015: No observed changes. [2015 Site ID: STM_15-7_R]					

Photo 1 of 1 : USACE2013A_STM_15-7_R_5.jpg



USACE 2013 Photo #1

LM Start	6.59	Rating **	M	Issue No.	23
LM End	6.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136 °	38.184040 °
				-121.655762 °	-121.656291 °
DWR ID	DWR_RD0501_01_s_2012_23				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: The district has scheduled for these trees to be trimmed.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	10/01/2015 10/01/2015	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.188260 °	38.188260 °	
			-121.648701 °	-121.648700 °	
DWR ID	DWR_RD0501_02_s_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Mow the tall weeds at toe of levee slope.					

Photo 1 of 1 : FA_2015_RD0501_170_21_20151006_00006.jpg



Looking downstream from levee mile 0.00 at the landside slope. Few scattered tall weeds at the toe.

LM Start	0.49	Rating **	M	Issue No.	9
LM End	3.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.190509 °	38.227237 °	
			-121.656805 °	-121.673078 °	
DWR ID	DWR_RD0501_02_s_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: District has plans to mow the waterside levee section this season.					

No Photos

LM Start	0.54	Rating **	M	Issue No.	11
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.191117 °	38.191170 °	
			-121.656468 °	-121.656437 °	
DWR ID	DWR_RD0501_02_s_2012_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	10/01/2015 10/01/2015	Herman Phillips

LM Start	1.04	Rating **	M	Issue No.	10
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.198153 °	38.198153 °
				-121.655614 °	-121.655614 °
DWR ID	DWR_RD0501_02_s_2012_10				
Action/Comments					
Note and monitor erosion site. Inspector Comments: This erosion has not been repaired prior to the fall inspection.					

No Photos

LM Start	1.10	Rating **	M	Issue No.	1
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.199128 °	38.200146 °
				-121.655881 °	-121.655638 °
DWR ID					
Action/Comments					
Inspector Comments: 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2015: No observed changes. [2015 Site ID: CHS_15-9_L]					

Photo 1 of 1 : USACE2013A_CHS_15-9_L_1.jpg



USACE 2013 Photo #1

LM Start	2.41	Rating **	C	Issue No.	28
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.213169 °	38.213373 °
				-121.664783 °	-121.665090 °
DWR ID	DWR_RD0501_02_s_2014_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	10/01/2015 10/01/2015	Herman Phillips

LM Start	2.90	Rating **	M	Issue No.	4
LM End	2.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.218890 °	38.218997 °	
			-121.669934 °	-121.669988 °	
DWR ID	DWR_RD0501_02_s_2012_4				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	3.41	Rating **	M	Issue No.	16
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.225823 °	38.225823 °	
			-121.672837 °	-121.672837 °	
DWR ID	DWR_RD0501_02_s_2012_16				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim up the tree on the landside slope.					

No Photos

LM Start	3.42	Rating **	M	Issue No.	18
LM End	3.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.225987 °	38.225987 °	
			-121.672870 °	-121.672870 °	
DWR ID	DWR_RD0501_02_s_2012_18				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim up tree on the landside slope.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	-0.01	Rating **	C	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.227815 °	38.238702 °	
			-121.673129 °	-121.664900 °	
DWR ID	DWR_RD0501_03_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: District has mowed the weeds from the landward levee slope. Corrected from last inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	36
LM End	7.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.228035 °	38.285653 °	
			-121.673082 °	-121.606480 °	
DWR ID	DWR_RD0501_03_f_2015_36				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: District has mowed the levee section landward slope.					

No Photos

LM Start	0.03	Rating **	M	Issue No.	37
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.228437 °	38.240937 °	
			-121.672880 °	-121.663552 °	
DWR ID	DWR_RD0501_03_f_2015_37				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	8
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.236416 °	38.257445 °	
			-121.665200 °	-121.651440 °	
DWR ID	DWR_RD0501_03_f_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.65	Rating **	M	Issue No.	13
LM End	7.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.246667 °	38.285653 °	
			-121.658611 °	-121.606479 °	
DWR ID	DWR_RD0501_03_s_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.16	Rating **	M	Issue No.	128
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.253373 °	38.257400 °	
			-121.655548 °	-121.651536 °	
DWR ID	DWR_RD0501_03_f_2013_128				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	2.19	Rating **	M	Issue No.	38
LM End	2.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.253812 °	38.254262 °	
			-121.655403 °	-121.653167 °	
DWR ID	DWR_RD0501_03_f_2015_38				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.61	Rating **	M	Issue No.	3
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.257445 °	38.258759 °	
			-121.651437 °	-121.651449 °	
DWR ID	DWR_RD0501_03_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.79	Rating **	M	Issue No.	130
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.260118 °	38.262839 °	
			-121.651351 °	-121.647722 °	
DWR ID	DWR_RD0501_03_s_2014_130				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim up the trees on the landside slope.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/01/2015 10/01/2015	Herman Phillips

LM Start	3.55	Rating **	M	Issue No.	15
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.266666 °	38.266857 °	
			-121.641475 °	-121.641280 °	
DWR ID	DWR_RD0501_03_s_2012_15				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trim up tree on landside slope.					

No Photos

LM Start	3.62	Rating **	M	Issue No.	22
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.267485 °	38.267578 °	
			-121.640667 °	-121.640507 °	
DWR ID	DWR_RD0501_03_s_2012_22				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Wild growth has completely covered the slope on landside. The District has started removing some of this brush, more needs to be removed.					

No Photos

LM Start	7.71	Rating **	M	Issue No.	4
LM End	7.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286134 °	38.286134 °	
			-121.607920 °	-121.607920 °	
DWR ID	DWR_RD0501_03_f_2015_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	10/01/2015 10/01/2015	Herman Phillips

LM Start	0.99	Rating **	M	Issue No.	7
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.272733 °	38.272700 °	
			-121.603940 °	-121.603953 °	
DWR ID	DWR_RD0501_04_s_2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.15	Rating **	M	Issue No.	13
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.256275 °	38.255990 °	
			-121.600933 °	-121.601015 °	
DWR ID	DWR_RD0501_04_s_2012_13				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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