

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	102					
LM End	0.00	Issue Type +	Ma	Location *	CR					
Category	Earthen Levee		GPS Latitude/Longitude							
			Start	End						
Item	Operations & Maintenance Manuals			°	°					
				°	°					
DWR ID	DWR_RD0003_01_s _ 2013_102									
Action/Comments										
Inspector Comments: LMA has a copy of the O & M manual on file at district office.										

No Photos

LM Start	0.00	Rating **	A	Issue No.	103					
LM End	0.00	Issue Type +	Ma	Location *	CR					
Category	Earthen Levee		GPS Latitude/Longitude							
			Start	End						
Item	Emergency Supplies & Equipment			°	°					
				°	°					
DWR ID	DWR_RD0003_01_s _ 2013_103									
Action/Comments										
Inspector Comments: The LMA has an adequate flood fight supplies and equipment to respond to a flood emergency.										

No Photos

LM Start	0.00	Rating **	A	Issue No.	104					
LM End	0.00	Issue Type +	Ma	Location *	CR					
Category	Earthen Levee		GPS Latitude/Longitude							
			Start	End						
Item	Flood Preparedness & Training			°	°					
				°	°					
DWR ID	DWR_RD0003_01_s _ 2013_104									
Action/Comments										
Inspector Comments: The LMA is organized to respond to flood emergency.										

No Photos

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.13	Rating **	U	Issue No.	19
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303305 °	38.303305 °
				-121.576537 °	-121.576537 °
DWR ID	DWR_RD0003_01_f_2012_19				
Action/Comments					
Tree or limb					
Inspector Comments: Tree branches and limbs on waterward shoulder.					

Photo 1 of 2 : FA_2015_RD0003_24_19_20150914_00017.jpg



Looking west at tree branch on waterward shoulder and slope. (Fall 2014)

LM Start	0.13	Rating **	U	Issue No.	19 (cont)
LM End	0.13	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0003_24_19_20150914_00018.jpg



Looking south at tree branches on waterward shoulder. (Spring 2014)

LM Start	0.13	Rating **	M	Issue No.	2
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.303303 °	38.303303 °
				-121.576538 °	-121.576538 °
DWR ID	DWR_RD0003_01_f_2013_2				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder.					

Photo 1 of 3 : FA_2015_RD0003_24_2_20150914_00001.jpg



Looking east at hole at base of tree on waterward shoulder. (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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Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.13	Rating **	M	Issue No.	2 (cont)	
LM End	0.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.303303 °	38.303303 °	
				-121.576538 °	-121.576538 °	
DWR ID	DWR_RD0003_01_f_2013_2					
Action/Comments						
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder.						

LM Start	0.13	Rating **	M	Issue No.	2 (cont)
LM End	0.13	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2015_RD0003_24_2_20150914_00002.jpg



Looking west at a hole next to oak tree on waterward shoulder.

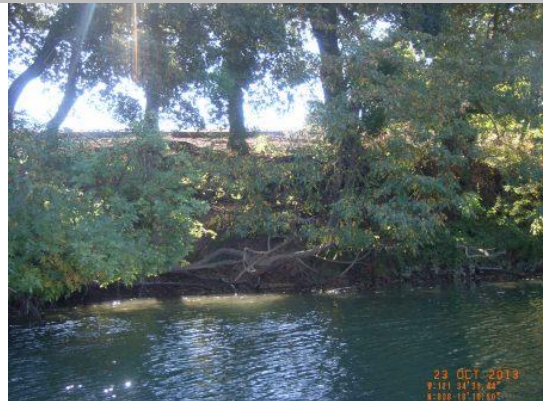
Photo 3 of 3 : FA_2015_RD0003_24_2_20150914_00003.jpg



Looking east at a hole next to oak tree on waterward shoulder.

LM Start	0.18	Rating **	M	Issue No.	10
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.303035 °	38.302544 °
				-121.577357 °	-121.578241 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Mass failure of berm slope and wave wash erosion. Large trees on top of berm, some failed trees. New area of low rock to on the upstream end. 2000 - Some minor erosion near the downstream end. 2005 - One new small tree has fallen. 2009 - Minimal new erosion. 2010 - Minor new erosion. 2013 - Observed new animal holes and vertical sections at middle of site. 2015: Minor new					

Photo 1 of 1 : USACE2013A_STM_26-0_L_6.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.39	Rating **	A/W	Issue No.	3
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.300492 °	38.300492 °
				-121.579454 °	-121.579454 °
DWR ID	DWR_RD0003_01_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.91	Rating **	M	Issue No.	4
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.293386 °	38.292675 °
				-121.582554 °	-121.582741 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2010 - Some minor new erosion. 2011 - Minor new erosion. 2012 - Minor new erosion at the toe. 2015: Significant new erosion, large oak tree on verge of popping out. [2015 Site ID: STM_25-0_L]					

Photo 1 of 1 : USACE2013A_STM_25-0_L_6.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.98	Rating **	M	Issue No.	65
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.292392 °	38.292392 °
				-121.582717 °	-121.582717 °
DWR ID	DWR_RD0003_01_f_2015_65				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Waterward levee damage caused by foot traffic.					

Photo 1 of 1 : FA_2015_RD0003_24_65_20150925_00097.jpg



Looking west at foot erosion on waterward slope.

LM Start	1.03	Rating **	M	Issue No.	1
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.291695 °	38.289575 °
				-121.582993 °	-121.583092 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end. 2015: New erosion at toe. [2015 Site ID: STM_24-8_L]					

Photo 1 of 2 : USACE2013A_STM_24-8_L_5.jpg



USACE 2013 Photo #1

LM Start	1.03	Rating **	M	Issue No.	1 (cont)
LM End	1.18	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A_STM_24-8_L_7.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	1.27	Rating **	A/W	Issue No.	5
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.288183 °	38.287433 °
				-121.582808 °	-121.582982 °
DWR ID	DWR_RD0003_01_s _ 2012_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.76	Rating **	M	Issue No.	8
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.282771 °	38.282771 °
				-121.588227 °	-121.588227 °
DWR ID	DWR_RD0003_01_s _ 2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0003_24_8_20150914_00008.jpg



Looking east at vegetation on landside slope.

LM Start	2.53	Rating **	U	Issue No.	29
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.272845 °	38.271070 °
				-121.587665 °	-121.588632 °
DWR ID	DWR_RD0003_01_s _ 2013_29				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_RD0003_24_29_20150925_00099.jpg



Looking southeast at trees blocking landward 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	2.68	Rating **	A/W	Issue No.	38
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.270768 °	38.270768 °
				-121.588663 °	-121.588663 °
DWR ID	DWR_RD0003_01_s_2013_38				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree limb on waterward slope.					

No Photos

LM Start	2.89	Rating **	A/W	Issue No.	105
LM End	2.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				o
					o
DWR ID	DWR_RD0003_01_f_2013_105				
Action/Comments					
Garbage					
Inspector Comments: Tin roofing material on waterward berm.					

Photo 1 of 1 : FA_2015_RD0003_24_105_20150914_00070.jpg



Looking west at tin roofing material on waterward berm.

LM Start	2.91	Rating **	A/W	Issue No.	100
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.267750 °	38.267750 °
				-121.587463 °	-121.587463 °
DWR ID	DWR_RD0003_01_s_2013_100				
Action/Comments					
Prunings Inspector Comments: Grass clippings on waterward slope. Grass clippings outside 20ft. Zone.					

Photo 1 of 1 : FA_2015_RD0003_24_100_20150914_00069.jpg



Looking southwest at grass clippings on waterward berm.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	3.16	Rating **	N	Issue No.	47
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.264154 °	38.264154 °
				-121.587242 °	-121.587242 °
DWR ID	DWR_RD0003_01_s _ 2012_47				
Action/Comments					
Tree stumps.					
Inspector Comments: 6 large stumps on slope.					

No Photos

LM Start	3.30	Rating **	A/W	Issue No.	51
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262289 °	38.262289 °
				-121.588250 °	-121.588250 °
DWR ID	DWR_RD0003_01_s _ 2012_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Cactus					

Photo 1 of 2 : FA_2015_RD0003_24_51_20150914_00044.jpg



Looking southeast at cactus mowed/removed by the district

LM Start	3.30	Rating **	A/W	Issue No.	51 (cont)
LM End	3.30	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0003_24_51_20150914_00045.jpg



Large cactus on upper levee slope obstructs access and visibility.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	3.82	Rating **	U	Issue No.	9
LM End	3.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.258222 °	38.257453 °
				-121.593793 °	-121.593942 °
DWR ID	DWR_RD0003_01_s _ 2012_9				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : FA_2015_RD0003_24_9_20150925_00100.jpg



Looking south at trees on landward shoulder and slope. (Fall 2015)

LM Start	3.82	Rating **	U	Issue No.	9 (cont)
LM End	3.87	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0003_24_9_20150914_00009.jpg



Looking southeast at trees on landward shoulder and slope. (Fall 2014)

LM Start	4.27	Rating **	A/W	Issue No.	57
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253800 °	38.251824 °
				-121.599100 °	-121.600980 °
DWR ID	DWR_RD0003_01_s _ 2012_57				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0003_24_57_20150914_00046.jpg



Vegetation on levee slopes and toe partially obstruct visibility.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	5.08	Rating **	A/W	Issue No.	60
LM End	5.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.242873 °	38.242873 °
				-121.600817 °	-121.600817 °
DWR ID	DWR_RD0003_01_s _ 2013_60				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on waterward slope.					

Photo 1 of 2 : FA_2015_RD0003_24_60_20150914_00047.jpg



Looking west at mowed/removed century plant on waterward slope.

LM Start	5.08	Rating **	A/W	Issue No.	60 (cont)
LM End	5.08	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0003_24_60_20150914_00048.jpg



Looking west at century plant on waterward slope.

LM Start	5.29	Rating **	U	Issue No.	61
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239886 °	38.239886 °
				-121.601752 °	-121.601752 °
DWR ID	DWR_RD0003_01_s _ 2012_61				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on landside slope next to ramp.					

Photo 1 of 2 : FA_2015_RD0003_24_61_20150914_00049.jpg



Looking northwest at century plants on landside slope next to ramp.

* 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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Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	5.29	Rating **	U	Issue No.	61 (cont)
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239886 °	38.239886 °
				-121.601752 °	-121.601752 °
DWR ID	DWR_RD0003_01_s _ 2012_61				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on landside slope next to ramp.					

Photo 2 of 2 : FA_2015_RD0003_24_61_20150914_00050.jpg



Looking west at century plants on landside slope next to ramp.

LM Start	7.00	Rating **	A/W	Issue No.	93
LM End	7.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215947 °	38.215643 °
				-121.604398 °	-121.604603 °
DWR ID	DWR_RD0003_01_s _ 2013_93				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim trees at landward toe.					

No Photos

LM Start	8.39	Rating **	M	Issue No.	94
LM End	8.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.197202 °	38.197202 °
				-121.612962 °	-121.612962 °
DWR ID	DWR_RD0003_01_s _ 2013_94				
Action/Comments					
Prunings					
Inspector Comments: Prunings on landward slope.					

Photo 1 of 1 : FA_2015_RD0003_24_94_20150914_00059.jpg



Looking east at prunings on landward slope.

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

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Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	10.12	Rating **	A/W	Issue No.	27
LM End	10.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188613 °	38.188388 °
				-121.641175 °	-121.641485 °
DWR ID	DWR_RD0003_01_s _ 2012_27				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Trees were trimmed, monitor area.					

No Photos

LM Start	10.65	Rating **	M	Issue No.	95
LM End	10.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.183908 °	38.182393 °
				-121.648430 °	-121.653388 °
DWR ID	DWR_RD0003_01_s _ 2013_95				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation and grade levee crown.					

Photo 1 of 1 : FA_2015_RD0003_24_95_20150925_00103.jpg



Looking south at levee crown.

LM Start	10.75	Rating **	U	Issue No.	96
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183422 °	38.183422
				-121.650182 °	-121.650182
DWR ID	DWR_RD0003_01_s _ 2013_96				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.					

Photo 1 of 2 : FA_2015_RD0003_24_96_20150914_00060.jpg



Looking northwest at erosion on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	10.75	Rating **	U	Issue No.	96 (cont)
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183422 °	38.183422 °
				-121.650182 °	-121.650182 °
DWR ID	DWR_RD0003_01_s _ 2013_96				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.					

Photo 2 of 2 : FA_2015_RD0003_24_96_20150914_00061.jpg



Looking southwest at erosion on waterward slope.

LM Start	10.78	Rating **	U	Issue No.	97
LM End	10.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183228 °	38.183123 °
				-121.650797 °	-121.651070 °
DWR ID	DWR_RD0003_01_s _ 2013_97				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Erosion extends to waterward shoulder.					

Photo 1 of 2 : FA_2015_RD0003_24_97_20150914_00062.jpg



Looking south at erosion on waterward slope.

LM Start	10.78	Rating **	U	Issue No.	97 (cont)
LM End	10.80	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0003_24_97_20150914_00063.jpg



Looking southwest at erosion on waterward slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	10.86	Rating **	U	Issue No.	98
LM End	10.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °
				-121.652142 °	-121.652555 °
DWR ID	DWR_RD0003_01_s _ 2013_98				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Erosion extends to waterward shoulder.					

Photo 1 of 3 : FA_2015_RD0003_24_98_20150914_00064.jpg



Looking north at erosion on waterward slope.

LM Start	10.86	Rating **	U	Issue No.	98 (cont)
LM End	10.89	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2015_RD0003_24_98_20150914_00065.jpg



Looking northwest at erosion on waterward shoulder and slope.

LM Start	10.86	Rating **	U	Issue No.	98 (cont)
LM End	10.89	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2015_RD0003_24_98_20150914_00066.jpg



Looking west at erosion on waterward slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	09/22/2015 09/22/2015	Richard Willoughby

LM Start	10.91	Rating **	U	Issue No.	99
LM End	10.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °
				-121.652987 °	-121.653388 °
DWR ID	DWR_RD0003_01_s _ 2013_99				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.					

Photo 1 of 2 : FA_2015_RD0003_24_99_20150914_00067.jpg



Looking west at erosion on waterward slope.

LM Start	10.91	Rating **	U	Issue No.	99 (cont)
LM End	10.94	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0003_24_99_20150914_00068.jpg



Looking north at erosion on waterward shoulder and slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	0.07	Rating **	C	Issue No.	36
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.175433 °	38.175433 °
				-121.652697 °	-121.652697 °
DWR ID	DWR_RD0003_02_s _ 2013_36				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.25	Rating **	A/W	Issue No.	4
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174504 °	38.174504 °
				-121.649651 °	-121.649651 °
DWR ID	DWR_RD0003_02_s _ 2012_4				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_RD0003_25_4_20150914_00004.jpg



Looking west at untrimmed tree on landward shoulder.

LM Start	0.30	Rating **	M	Issue No.	5
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174281 °	38.174209 °
				-121.648698 °	-121.648352 °
DWR ID	DWR_RD0003_02_s _ 2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: New bamboo sprouts on waterward slope.					

Photo 1 of 3 : FA_2015_RD0003_25_5_20150925_00099.jpg



Looking northeast at established bamboo on waterward shoulder and slope (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**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	0.30	Rating **	M	Issue No.	5 (cont)	
LM End	0.32	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.174281 °		38.174209 °
				-121.648698 °		-121.648352 °
DWR ID	DWR_RD0003_02_s _ 2012_5					
Action/Comments						
Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comments: New bamboo sprouts on waterward slope.						

Photo 2 of 3 : FA_2015_RD0003_25_5_20150914_00006.jpg



Looking northeast at bamboo on waterside slope. (Fall 2014)

LM Start	0.30	Rating **	M	Issue No.	5 (cont)
LM End	0.32	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2015_RD0003_25_5_20150914_00005.jpg



Looking northeast at the new sprouting of bamboo on waterward slope. (Fall 2013)

LM Start	0.32	Rating **	A/W	Issue No.	41
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174203 °	38.174203 °
				-121.648400 °	-121.648400 °
DWR ID	DWR_RD0003_02_s _ 2013_41				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	0.36	Rating **	A/W	Issue No.	29
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.174083 °	38.174083 °
				-121.647739 °	-121.647739 °
DWR ID	DWR_RD0003_02_f_2013_29				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends from the waterward toe to the waterward shoulder.					

Photo 1 of 3 : FA_2015_RD0003_25_29_20150914_00029.jpg



Looking northeast at repaired site on waterward shoulder and slope.

LM Start	0.36	Rating **	A/W	Issue No.	29 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2015_RD0003_25_29_20150914_00030.jpg



Looking east at erosion that extends from waterward shoulder to waterward toe.

LM Start	0.36	Rating **	A/W	Issue No.	29 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2015_RD0003_25_29_20150914_00031.jpg



Looking northeast at erosion on waterward slope and toe.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	1.50	Rating **	A/W	Issue No.	154
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169204 °	38.169204 °
				-121.628268 °	-121.628268 °
DWR ID	DWR_RD0003_02_f_2014_154				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs on waterward slope.					

Photo 1 of 1 : FA_2015_RD0003_25_154_20150914_00085.jpg



Looking northeast at tree limbs on waterward slope.

LM Start	1.57	Rating **	A/W	Issue No.	104
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168662 °	38.168662 °
				-121.627167 °	-121.627167 °
DWR ID	DWR_RD0003_02_s_2014_104				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2015_RD0003_25_104_20150914_00083.jpg



Looking southeast at downed tree on waterward slope.

LM Start	1.57	Rating **	A/W	Issue No.	104 (cont)
LM End	1.57	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0003_25_104_20150914_00084.jpg



Looking east at downed tree on waterward slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	2.01	Rating **	M	Issue No.	140
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.165740 °	38.165740 °
				-121.619970 °	-121.619970 °
DWR ID	DWR_RD0003_02_f_2015_140				
Action/Comments					
Prunings					
Inspector Comments: Prunings piles on waterward slope.					

Photo 1 of 1 : FA_2015_RD0003_25_140_20150925_00100.jpg



Looking at tree branches and tree limbs on waterward shoulder and slope.

LM Start	2.43	Rating **	A/W	Issue No.	6
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.164369 °	38.164369 °
				-121.612548 °	-121.612548 °
DWR ID	DWR_RD0003_02_s_2012_6				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.71	Rating **	A/W	Issue No.	951
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.164676 °	38.164676 °
				-121.607479 °	-121.607479 °
DWR ID	DWR_RD0003_02_s_2012_951				
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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	3.20	Rating **	A/W	Issue No.	7
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.167808 °	38.167808 °
				-121.599557 °	-121.599557 °
DWR ID	DWR_RD0003_02_s _ 2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_7_20150914_00007.jpg



Looking west at dense vegetation on landside slope and toe.

LM Start	3.23	Rating **	A/W	Issue No.	44
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.168134 °	38.168134 °
				-121.599028 °	-121.599028 °
DWR ID	DWR_RD0003_02_s _ 2012_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Obstructive blackberry.					

Photo 1 of 1 : FA_2015_RD0003_25_44_20150914_00040.jpg



Looking west at berryvines on landside toe.

LM Start	3.40	Rating **	A/W	Issue No.	160
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169904 °	38.169904 °
				-121.596914 °	-121.596914 °
DWR ID	DWR_RD0003_02_s _ 2015_160				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward toe.					

Photo 1 of 1 : FA_2015_RD0003_25_160_20150914_00089.jpg



Looking west at fallen tree on landward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	3.40	Rating **	M	Issue No.	142
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.169915 °	38.169915
				-121.596908 °	-121.596908
DWR ID	DWR_RD0003_02_f_2015_142				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.47	Rating **	M	Issue No.	97
LM End	3.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.170724 °	38.170724 °
				-121.596152 °	-121.596152 °
DWR ID	DWR_RD0003_02_f_2013_97				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Palm tree at landward toe.					

Photo 1 of 1 : FA_2015_RD0003_25_97_20150914_00076.jpg



Looking west at palm tree on landward toe.

LM Start	3.73	Rating **	A/W	Issue No.	8
LM End	3.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173977 °	38.175118 °
				-121.593725 °	-121.592925 °
DWR ID	DWR_RD0003_02_s_2012_8				
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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	3.77	Rating **	M	Issue No.	952
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174430 °	38.174430 °
				-121.593372 °	-121.593372 °
DWR ID	DWR_RD0003_02_s _ 2012_952				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense bamboo on landward slope.					

Photo 1 of 2 : FA_2015_RD0003_25_952_20150914_00096.jpg



Looking northwest at bamboo on landside slope.

LM Start	3.77	Rating **	M	Issue No.	952 (cont)
LM End	3.77	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0003_25_952_20150914_00097.jpg



Looking west at dense bamboo on landside slope.

LM Start	3.80	Rating **	U	Issue No.	953
LM End	3.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174817 °	38.175077 °
				-121.593110 °	-121.592965 °
DWR ID	DWR_RD0003_02_s _ 2012_953				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_953_20150914_00098.jpg



Looking northwest at dense trees on landward shoulder and slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	4.11	Rating **	U	Issue No.	145
LM End	4.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0003_02_f_2015_145				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Century plants on waterward shoulder and slope.					

Photo 1 of 1 : FA_2015_RD0003_25_145_20151116_00111.jpg



Looking northeast at century plants on waterward shoulder and slope.

LM Start	4.11	Rating **	U	Issue No.	143
LM End	4.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.178782 °	38.178782 °
				-121.590418 °	-121.590418 °
DWR ID	DWR_RD0003_02_f_2015_143				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Large century plants on landward shoulder and slope.					

Photo 1 of 1 : FA_2015_RD0003_25_143_20150925_00102.jpg



Looking north at century plants on landward shoulder and slope.

LM Start	4.14	Rating **	M	Issue No.	48
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.179160 °	38.179160 °
				-121.590247 °	-121.590247 °
DWR ID	DWR_RD0003_02_s_2012_48				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_48_20150914_00042.jpg



Looking southwest at dense trees on landward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	4.24	Rating **	M	Issue No.	10
LM End	4.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.180361 °	38.180361 °
				-121.589127 °	-121.589127 °
DWR ID	DWR_RD0003_02_s_2012_10				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_10_20150914_00010.jpg



Looking west at untrimmed tree on landward slope.

LM Start	4.94	Rating **	M	Issue No.	14
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188344 °	38.188748 °
				-121.581414 °	-121.580743 °
DWR ID	DWR_RD0003_02_s_2012_14				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA_2015_RD0003_25_14_20150914_00018.jpg



Looking southwest at untrimmed trees on landward toe.

LM Start	5.72	Rating **	C	Issue No.	98
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193143 °	38.193143 °
				-121.568466 °	-121.568466 °
DWR ID	DWR_RD0003_02_f_2013_98				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation and cactus on waterward 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	
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**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	7.01	Rating **	U	Issue No.	16
LM End	7.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208205 °	38.208205 °
				-121.558565 °	-121.558565 °
DWR ID	DWR_RD0003_02_s_2012_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation at landward toe.					

Photo 1 of 1 : FA_2015_RD0003_25_16_20150914_00021.jpg



Looking southwest at dense veg. on landside toe.

LM Start	8.11	Rating **	U	Issue No.	15
LM End	8.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224130 °	38.224130 °
				-121.557206 °	-121.557206 °
DWR ID	DWR_RD0003_02_f_2015_15				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree branches on waterward shoulder and slope.					

Photo 1 of 2 : FA_2015_RD0003_25_15_20150925_00105.jpg



Looking northeast at broken and cracked tree branches on waterward slope.

LM Start	8.11	Rating **	U	Issue No.	15 (cont)
LM End	8.11	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0003_25_15_20150925_00106.jpg



Looking east at broken and cracked tree branches on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	8.24	Rating **	A/W	Issue No.	17
LM End	8.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226073 °	38.226073
				-121.557018 °	-121.557018
DWR ID	DWR_RD0003_02_s _ 2012_17				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Fallen tree on levee slope.					

No Photos

LM Start	8.97	Rating **	M	Issue No.	23
LM End	8.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.236294 °	38.236294 °
				-121.559527 °	-121.559527 °
DWR ID	DWR_RD0003_02_s _ 2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_23_20150914_00027.jpg



Looking southwest at untrimmed trees on landward toe.

LM Start	9.29	Rating **	M	Issue No.	63
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240337 °	38.240337 °
				-121.556870 °	-121.556870 °
DWR ID	DWR_RD0003_02_s _ 2012_63				
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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	9.37	Rating **	A/W	Issue No.	100
LM End	9.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241199 °	38.241199 °
				-121.555867 °	-121.555867 °
DWR ID	DWR_RD0003_02_f_2013_100				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Palm trees on landward slope.					

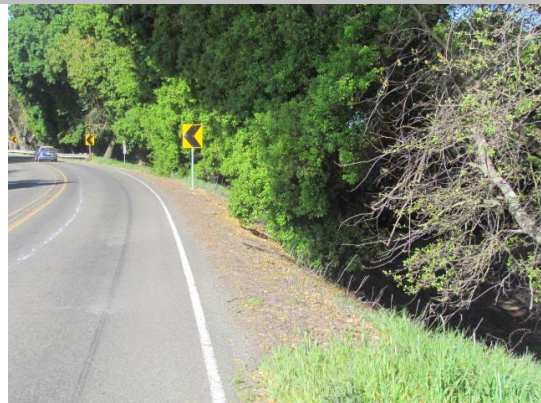
Photo 1 of 1 : FA_2015_RD0003_25_100_20150914_00079.jpg



Looking north at palm trees on landward shoulder and slope.

LM Start	9.56	Rating **	M	Issue No.	64
LM End	9.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242386 °	38.242519 °
				-121.552699 °	-121.550864 °
DWR ID	DWR_RD0003_02_s_2012_64				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_64_20150914_00050.jpg



Looking southwest at dense trees on landward shoulder and slope.

LM Start	9.87	Rating **	M	Issue No.	101
LM End	9.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242017 °	38.241686 °
				°	-121.544969 °
DWR ID	DWR_RD0003_02_f_2013_101				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Large redwood trees at the landward toe and berm.					

Photo 1 of 2 : FA_2015_RD0003_25_101_20150914_00080.jpg



Looking northeast at dense redwood trees on landward toe and berm.

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	9.87	Rating **	M	Issue No.	101 (cont)
LM End	9.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242017 °	38.241686 °
					° -121.544969 °
DWR ID	DWR_RD0003_02_f_2013_101				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Large redwood trees at the landward toe and berm.					

Photo 2 of 2 : FA_2015_RD0003_25_101_20150914_00081.jpg



Looking southwest at dense redwood trees on landward toe and berm.

LM Start	10.14	Rating **	M	Issue No.	22
LM End	10.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241160 °	38.241005 °
				-121.542377 °	-121.541618 °
DWR ID	DWR_RD0003_02_s_2012_22				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_RD0003_25_22_20150914_00026.jpg



Looking east at untrimmed trees on landward shoulder and slope.

LM Start	10.35	Rating **	A/W	Issue No.	102
LM End	10.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240261 °	38.240261 °
				-121.538604 °	-121.538604 °
DWR ID	DWR_RD0003_02_f_2013_102				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward slope.					

Photo 1 of 1 : FA_2015_RD0003_25_102_20150914_00082.jpg



Looking east at downed tree on landward slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	10.43	Rating **	M	Issue No.	81
LM End	10.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239850 °	38.239850 °
				-121.537237 °	-121.537237 °
DWR ID	DWR_RD0003_02_s_2013_81				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on landward shoulder.					

LM Start	10.43	Rating **	M	Issue No.	81 (cont)
LM End	10.43	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2015_RD0003_25_81_20150914_00065.jpg



Looking west at century plant on landward slope. (Spring 2015)

Photo 2 of 2 : FA_2015_RD0003_25_81_20150914_00066.jpg



Looking northwest at century plant on landward shoulder and slope.

LM Start	11.33	Rating **	M	Issue No.	1
LM End	11.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.239870 °	38.239983 °
				-121.520989 °	-121.519361 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015: Minor new erosion at toe. [2015 Site ID: SAC_26-3_R]					

Photo 1 of 2 : USACE2013A_SAC_26-3_R_5.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	11.33	Rating **	M	Issue No.	1 (cont)
LM End	11.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.239870 °	38.239983 °
				-121.520989 °	-121.519361 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015: Minor new erosion at toe. [2015 Site ID: SAC_26-3_R]					

Photo 2 of 2 : USACE2013A_SAC_26-3_R_8.jpg



USACE 2013 Photo #2

LM Start	11.44	Rating **	A/W	Issue No.	26
LM End	11.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240241 °	38.240241 °
				-121.519031 °	-121.519031 °
DWR ID	DWR_RD0003_02_s _ 2012_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	11.57	Rating **	A/W	Issue No.	24
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241300 °	38.241300 °
				-121.517073 °	-121.517073 °
DWR ID	DWR_RD0003_02_s _ 2012_24				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	11.76	Rating **	A/W	Issue No.	103
LM End	11.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.243347 °	38.244412
				-121.514785 °	-121.513665
DWR ID	DWR_RD0003_02_f_2013_103				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	12.26	Rating **	A/W	Issue No.	25
LM End	12.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.249937 °	38.249937 °
				-121.511834 °	-121.511834 °
DWR ID	DWR_RD0003_02_s_2012_25				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	13.36	Rating **	M	Issue No.	9
LM End	13.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.262125 °	38.262125 °
				-121.524405 °	-121.524405 °
DWR ID	DWR_RD0003_02_s_2012_9				
Action/Comments					
Stairway Inspector Comments: Landowner installed unauthorized stairs on landside slope.					

Photo 1 of 2 : FA_2015_RD0003_25_9_20150914_00008.jpg



Looking northwest at stairs on landside slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	13.36	Rating **	M	Issue No.	9 (cont)	
LM End	13.36	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.262125 °		38.262125 °
				-121.524405 °		-121.524405 °
DWR ID	DWR_RD0003_02_s _ 2012_9					
Action/Comments						
Stairway						
Inspector Comments: Landowner installed unauthorized stairs on landside slope.						

Photo 2 of 2 : FA_2015_RD0003_25_9_20150914_00009.jpg



Looking west at stairs on landside slope.

LM Start	13.90	Rating **	A/W	Issue No.	27
LM End	13.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0003_02_s _ 2012_27				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	14.23	Rating **	M	Issue No.	91
LM End	14.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.270703 °	38.270703 °
				-121.535938 °	-121.535938 °
DWR ID	DWR_RD0003_02_s _ 2013_91				
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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	14.61	Rating **	M	Issue No.	93
LM End	14.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.274492 °	38.274898 °
				-121.541022 °	-121.541533 °
DWR ID	DWR_RD0003_02_s _ 2013_93				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	15.28	Rating **	M	Issue No.	94
LM End	15.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.281505 °	38.282957 °
				-121.549645 °	-121.552260 °
DWR ID	DWR_RD0003_02_s _ 2013_94				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	15.61	Rating **	U	Issue No.	144
LM End	15.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.284393 °	38.284393 °
				-121.554319 °	-121.554319 °
DWR ID	DWR_RD0003_02_f _ 2015_144				
Action/Comments					
Prunings Inspector Comments: Prunings piled on landward shoulder from fallen trees.					

Photo 1 of 1 : FA_2015_RD0003_25_144_20150925_00110.jpg



Looking southwest at prunings on landward shoulder and slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	09/21/2015 09/22/2015	Richard Willoughby

LM Start	15.69	Rating **	M	Issue No.	95
LM End	15.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285317 °	38.285605
				-121.555452 °	-121.555810
DWR ID	DWR_RD0003_02_s _ 2013_95				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	16.54	Rating **	M	Issue No.	20
LM End	16.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.294757 °	38.295730 °
				-121.565376 °	-121.566295 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion of supper sandy levee material above the water line, straight reach. 1999 - Small pocket repaired with rock. 2005 - Downstream 400 ft have been repaired. 2011 - Site is overgrown with vegetation. 2015: Site appears stable, may consider removal if no change after the next large storm event. [2015 Site ID: SAC_31-6_R]					

Photo 1 of 1 : USACE2013A_SAC_31-6_R_5.jpg



USACE 2013 Photo #1

LM Start	16.91	Rating **	A/W	Issue No.	162
LM End	16.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.299066 °	38.299650 °
				-121.569477 °	-121.569957 °
DWR ID	DWR_RD0003_02_s _ 2015_162				
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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.06	Rating **	A/W	Issue No.	3
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.181427 °	38.181427 °
				-121.653622 °	-121.653622 °
DWR ID	DWR_RD0003_03_s_2013_3				
Action/Comments					
Repair slope instability. Inspector Comments: LMA repaired slope damage on landward shoulder and slope.					

LM Start	0.06	Rating **	A/W	Issue No.	3 (cont)
LM End	0.06	Issue Type +	Ma	Location *	LS

LM Start	0.06	Rating **	A/W	Issue No.	3 (cont)
LM End	0.06	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : FA_2015_RD0003_610_3_20150914_00001.jpg



Looking east at repaired site on landward shoulder and slope.

Photo 2 of 3 : FA_2015_RD0003_610_3_20150914_00002.jpg



Looking east at depression on landward slope.

Photo 3 of 3 : FA_2015_RD0003_610_3_20150914_00003.jpg



Looking north on depression on landward slope.

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

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

Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	09/22/2015 09/22/2015	Richard Willoughby

LM Start	0.07	Rating **	A/W	Issue No.	4
LM End	0.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.181223 °	38.176118 °
				-121.653617 °	-121.653765 °
DWR ID	DWR_RD0003_03_s _ 2013_4				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	0.15	Rating **	M	Issue No.	5
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.180150 °	38.179722 °
				-121.653645 °	-121.653663 °
DWR ID	DWR_RD0003_03_s _ 2013_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.36	Rating **	A/W	Issue No.	7
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.177028 °	38.177028 °
				-121.653758 °	-121.653758 °
DWR ID	DWR_RD0003_03_s _ 2013_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Willows on landward slope and toe.					

No Photos

* 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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