

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD1500_01_s_2013_9				
Action/Comments					
Inspector Comments: RD 1500 has their Levee Manual.					

No Photos

LM Start		Rating **	A	Issue No.	55
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1500_01_s_2013_55				
Action/Comments					
Inspector Comments: RD 1500 maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	61
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD1500_01_s_2013_61				
Action/Comments					
Inspector Comments: RD 1500 is current with it's flood response plans and training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.00	Rating **	A	Issue No.	39
LM End	33.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation			°	°
				°	°
DWR ID	DWR_RD1500_01_s_2012_39				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD1500_189_39_20141030_00153.jpg



Levee mile 26.84, vegetation on the land side levee slope. Fall 2014.

LM Start	0.04	Rating **	C	Issue No.	35
LM End	0.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761055	°	38.761055
			-121.675322	°	-121.675322
DWR ID	DWR_RD1500_01_s_2012_35				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.07	Rating **	C	Issue No.	5
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761071	°	38.761071
			-121.675957	°	-121.675957
DWR ID	DWR_RD1500_01_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.10	Rating **	C	Issue No.	212
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761090 °	38.761090 °	
			-121.676346 °	-121.676346 °	
DWR ID	DWR_RD1500_01_s_2012_212				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: There are burrow holes on the landside too. There are depressions on crown and appears to be part of the burrows.					

No Photos

LM Start	0.28	Rating **	C	Issue No.	1335
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762869 °	38.762869 °	
			-121.678750 °	-121.678750 °	
DWR ID	DWR_RD1500_01_s_2014_1335				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.28	Rating **	C	Issue No.	1332
LM End	0.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762868 °	38.762868 °	
			-121.678744 °	-121.678744 °	
DWR ID	DWR_RD1500_01_s_2014_1332				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.28	Rating **	C	Issue No.	67
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762810 °	38.762810 °	
			-121.678702 °	-121.678702 °	
DWR ID	DWR_RD1500_01_s_2012_67				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.30	Rating **	C	Issue No.	68
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.763128 °	38.763128 °	
			-121.678950 °	-121.678950 °	
DWR ID	DWR_RD1500_01_s_2012_68				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.32	Rating **	M	Issue No.	53
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.763219 °	38.763219 °	
			-121.679036 °	-121.679036 °	
DWR ID	DWR_RD1500_01_f_2012_53				
Action/Comments					
Stairway					

Photo 1 of 1 : FA_2014_RD1500_189_53_20141014_00049.jpg



Steps carved into the levee slope at a pipe crossing. Photo fall 2012.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.53	Rating **	M	Issue No.	1337
LM End	1.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.764503 °	38.770175 °	
			-121.682482 °	-121.690209 °	
DWR ID	DWR_RD1500_01_s_2014_1337				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : FA_2014_RD1500_189_1337_20141014_00095.jpg



Control unwanted vegetation on the levee crown. Spring 2014

LM Start	0.57	Rating **	A/W	Issue No.	72
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.764462 °	38.764638 °	
			-121.683167 °	-121.687690 °	
DWR ID	DWR_RD1500_01_s_2012_72				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA_2014_RD1500_189_72_20141014_00059.jpg



A view of the revegetation site.

LM Start	0.57	Rating **	A/W	Issue No.	72 (cont)
LM End	0.83	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD1500_189_72_20141014_00060.jpg



A revegetation site waterside toe, photo taken spring 2012.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.64	Rating **	A/W	Issue No.	76
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.764305 °	38.766827 °	
			-121.684396 °	-121.690884 °	
DWR ID	DWR_RD1500_01_s_2013_76				
Action/Comments					
Repair slope instability. Inspector Comments: Seepage berm was damaged last fall in prep for the agricultural field and needs to be restored by the land owner. A field investigation report was made. The seepage berm is scheduled to be repaired before next flood season.					

Photo 1 of 2 : FA_2014_RD1500_189_76_20141014_00063.jpg



Damage to the seepage berm during the flood season needs to be repaired, Spring 2013

LM Start	0.64	Rating **	A/W	Issue No.	76 (cont)
LM End	1.06	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD1500_189_76_20141014_00064.jpg



The damage to the seepage berm has been repaired and needs to be monitored. Spring 2014

LM Start	1.32	Rating **	M	Issue No.	1
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.770390 °	38.777282 °	
			-121.690553 °	-121.685841 °	
DWR ID	DWR_RD1500_01_f_2014_1				
Action/Comments					
Inspector Comments: 2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2014 - Minor new erosion at bank mid point. 2013: Minor new erosion. [2013 Site ID: SAC_86-3_L]					

Photo 1 of 1 : FA_2014_RD1500_189_1_20141014_00001.jpg



USACE 2013 Photo #1

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Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	2.23	Rating **	C	Issue No.	1338
LM End	5.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.780892 °	38.803250 °	
			-121.686905 °	-121.721698 °	
DWR ID	DWR_RD1500_01_s_2014_1338				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	2
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.781962 °	38.784936 °	
			-121.688033 °	-121.690033 °	
DWR ID	DWR_RD1500_01_f_2014_2				
Action/Comments					
Inspector Comments: 2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013: Minor new erosion. [2013 Site ID: SAC_87-1_L]					

Photo 1 of 1 : FA_2014_RD1500_189_2_20141014_00002.jpg



USACE 2013 Photo #1

LM Start	5.20	Rating **	A/W	Issue No.	1340
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.802164 °	38.802164 °	
			-121.712560 °	-121.712560 °	
DWR ID	DWR_RD1500_01_s_2014_1340				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2014_RD1500_189_1340_20141014_00098.jpg



Monitor tree that may pose a future threat to the integrity of the levee. Spring 2014

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	5.30	Rating **	M	Issue No.	1341
LM End	5.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.802827 °	38.802827 °	
			-121.714043 °	-121.714043 °	
DWR ID	DWR_RD1500_01_s_2014_1341				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2014_RD1500_189_1341_20141014_00099.jpg



Trees need to be trimmed up to at least 5' they are blocking the visibility. Spring 2014

LM Start	5.30	Rating **	M	Issue No.	1342
LM End	5.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.802826 °	38.802826 °	
			-121.714044 °	-121.714044 °	
DWR ID	DWR_RD1500_01_s_2014_1342				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_RD1500_189_1342_20141014_00100.jpg



A rodent hole on the landside levee slope. Spring 2014

LM Start	7.18	Rating **	M	Issue No.	216
LM End	7.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.823781 °	38.823781 °	
			-121.722752 °	-121.722752 °	
DWR ID	DWR_RD1500_01_s_2012_216				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2014_RD1500_189_216_20141014_00076.jpg



The landowner has piled prunings along the levee 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	7.18	Rating **	M	Issue No.	216 (cont)
LM End	7.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.823781 °	38.823781 °	
			-121.722752 °	-121.722752 °	
DWR ID	DWR_RD1500_01_s_2012_216				
Action/Comments					
Prunings					

Photo 2 of 2 : FA_2014_RD1500_189_216_20141014_00077.jpg



The pruning pile has reduced in size by burning it. A new pile is started. Spring 2014

LM Start	7.21	Rating **	M	Issue No.	217
LM End	7.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.824119 °	38.824119 °	
			-121.722776 °	-121.722776 °	
DWR ID	DWR_RD1500_01_s_2012_217				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2014_RD1500_189_217_20141014_00078.jpg



Trees need to be trimmed to the height of 5 feet to see the slope.

LM Start	7.26	Rating **	A/W	Issue No.	1343
LM End	7.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.824900 °	38.824900 °	
			-121.722851 °	-121.722851 °	
DWR ID	DWR_RD1500_01_s_2014_1343				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2014_RD1500_189_1343_20141014_00101.jpg



Monitor tree that may pose a future threat to the integrity of the levee. Spring 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 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	7.57	Rating **	M	Issue No.	16
LM End	7.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.828975 °	38.828975 °	
			-121.724265 °	-121.724265 °	
DWR ID	DWR_RD1500_01_s_2012_16				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2014_RD1500_189_16_20141014_00014.jpg



Equipment along landside toe. Photo was taken in spring 2010.

LM Start	8.30	Rating **	M	Issue No.	3
LM End	8.30	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.838464 °	38.840347 °	
			-121.730205 °	-121.726857 °	
DWR ID	DWR_RD1500_01_f_2014_3				
Action/Comments					
Inspector Comments: 1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2013: Might be able to shorten due to deposition. [2013 Site ID: SAC_92-8_L]					

Photo 1 of 1 : FA_2014_RD1500_189_3_20141014_00003.jpg



USACE 2013 Photo #1

LM Start	8.99	Rating **	A/W	Issue No.	1344
LM End	8.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.845076 °	38.845076 °	
			-121.728301 °	-121.728301 °	
DWR ID	DWR_RD1500_01_s_2014_1344				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2014_RD1500_189_1344_20141014_00102.jpg



The walnut tree at the toe has fallen. The roots are exposed and the branches are holding it up. Spring 2014

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Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	9.47	Rating **	A/W	Issue No.	74
LM End	9.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.850267 °	38.853222 °	
			-121.723275 °	-121.724062 °	
DWR ID	DWR_RD1500_01_s_2012_74				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA_2014_RD1500_189_74_20141014_00061.jpg



A revegetation site on the waterside bank with sprinklers installed.

LM Start	9.47	Rating **	A/W	Issue No.	74 (cont)
LM End	9.71	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD1500_189_74_20141014_00062.jpg



Another revegetation site photo taken spring 2012.

LM Start	11.81	Rating **	M	Issue No.	6
LM End	11.81	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.871853 °	38.870581 °	
			-121.749330 °	-121.752059 °	
DWR ID	DWR_RD1500_01_f_2014_6				
Action/Comments					
Inspector Comments: 1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steel) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion					

No Photos

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Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	11.93	Rating **	M	Issue No.	219
LM End	11.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.872220 °	38.872220 °	
			-121.749785 °	-121.749785 °	
DWR ID	DWR_RD1500_01_s_2012_219				
Action/Comments					
Debris					

Photo 1 of 2 : FA_2014_RD1500_189_219_20141014_00079.jpg



Concret debris stockpiled on the waterside. Fall 2013

LM Start	11.93	Rating **	M	Issue No.	219 (cont)
LM End	11.93	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD1500_189_219_20141014_00080.jpg



Concrete debris is along the berm area. Spring 2014

LM Start	12.14	Rating **	M	Issue No.	10
LM End	12.14	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.870474 °	38.869139 °	
			-121.752237 °	-121.757108 °	
DWR ID	DWR_RD1500_01_f_2014_10				
Action/Comments					
Inspector Comments: 2000 - Vertical Modesto Formation bank with mass failure. 2003 - Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2013: No					

Photo 1 of 1 : FA_2014_RD1500_189_10_20141014_00009.jpg



USACE 2013 Photo #1

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	12.31	Rating **	A/W	Issue No.	50
LM End	12.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.869700 °	38.869700 °	
			-121.755945 °	-121.755945 °	
DWR ID	DWR_RD1500_01_s_2012_50				
Action/Comments					
Note and monitor erosion site. Inspector Comments: wide berm					

Photo 1 of 1 : FA_2014_RD1500_189_50_20141014_00044.jpg



An erosion site along the embankment, photo taken spring 2012.

LM Start	12.55	Rating **	M	Issue No.	24
LM End	12.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.868717 °	38.868717 °	
			-121.760133 °	-121.760133 °	
DWR ID	DWR_RD1500_01_s_2012_24				
Action/Comments					
Equipment					

Photo 1 of 2 : FA_2014_RD1500_189_24_20141014_00022.jpg



There is equipment parked along the toe of the levee.

LM Start	12.55	Rating **	M	Issue No.	24 (cont)
LM End	12.55	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD1500_189_24_20141014_00023.jpg



A current view of the equipment parked along the levee toe Spring 2014

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	12.93	Rating **	A/W	Issue No.	25
LM End	12.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.865127 °	38.865127 °	
			-121.765157 °	-121.765157 °	
DWR ID	DWR_RD1500_01_s_2012_25				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2014_RD1500_189_25_20141014_00024.jpg



On top of the crown is farm equipment and irrigation pipe.

LM Start	13.18	Rating **	M	Issue No.	992
LM End	13.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.863081 °	38.863081 °	
			-121.768781 °	-121.768781 °	
DWR ID	DWR_RD1500_01_s_2012_992				
Action/Comments					
Equipment					
Inspector Comments: tires					

Photo 1 of 1 : FA_2014_RD1500_189_992_20141014_00091.jpg



Next to the building there are tires and axles stored at the toe.

LM Start	13.98	Rating **	M	Issue No.	15
LM End	13.98	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.857239 °	38.861899 °	
			-121.783771 °	-121.784057 °	
DWR ID	DWR_RD1500_01_f_2014_15				
Action/Comments					
Inspector Comments: 1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2013: No observed changes. [2013 Site ID: SAC_99-0_L]					

Photo 1 of 1 : FA_2014_RD1500_189_15_20141014_00013.jpg



USACE 2013 Photo #1

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	14.13	Rating **	A/W	Issue No.	28
LM End	14.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.857792 °	38.857792 °	
			-121.783265 °	-121.783265 °	
DWR ID	DWR_RD1500_01_s_2012_28				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2014_RD1500_189_28_20141014_00026.jpg



View of equipment. Photo was taken in spring 2010.

LM Start	14.32	Rating **	M	Issue No.	89
LM End	14.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.860452 °	38.860452 °	
			-121.783294 °	-121.783294 °	
DWR ID	DWR_RD1500_01_s_2013_89				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_RD1500_189_89_20141014_00072.jpg



Rodent hole in the levee slope above the retaining wall, Spring 2013

LM Start	14.42	Rating **	U	Issue No.	77
LM End	14.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.861793 °	38.861793 °	
			-121.783703 °	-121.783703 °	
DWR ID	DWR_RD1500_01_s_2012_77				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : FA_2014_RD1500_189_77_20141014_00065.jpg



The trees on the landside slope blocks the view of the slope, photo taken spring 2012.

* 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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	14.42	Rating **	U	Issue No.	77 (cont)
LM End	14.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.861793 °	38.861793 °	
			-121.783703 °	-121.783703 °	
DWR ID	DWR_RD1500_01_s_2012_77				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 2 of 2 : FA_2014_RD1500_189_77_20141014_00066.jpg



The trees on the levee slope completely blocks visibility. Spring 2014

LM Start	16.54	Rating **	C	Issue No.	1348
LM End	19.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.876629 °	38.900677 °	
			-121.813050 °	-121.792113 °	
DWR ID	DWR_RD1500_01_s_2014_1348				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	18.50	Rating **	A/W	Issue No.	51
LM End	18.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.900873 °	38.900873 °	
			-121.802680 °	-121.802680 °	
DWR ID	DWR_RD1500_01_s_2012_51				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : FA_2014_RD1500_189_51_20141014_00045.jpg



This is an upstream view of the same erosion.

* 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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	18.50	Rating **	A/W	Issue No.	51 (cont)
LM End	18.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.900873 °	38.900873 °
				-121.802680 °	-121.802680 °
DWR ID	DWR_RD1500_01_s_2012_51				
Action/Comments					
Note and monitor erosion site.					

Photo 2 of 2 : FA_2014_RD1500_189_51_20141014_00046.jpg



This is an inside curve in the river and erosion has occurred.

LM Start	18.51	Rating **	M	Issue No.	22
LM End	18.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.901337 °	38.902721 °
				-121.801175 °	-121.790677 °
DWR ID	DWR_RD1500_01_f_2014_22				
Action/Comments					
Inspector Comments: 1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012 - Portions of site appears to be stabilizing. 2013: No observed changes. [2013 Site ID: SAC_104-0_L]					

Photo 1 of 1 : FA_2014_RD1500_189_22_20141014_00020.jpg



USACE 2013 Photo #1

LM Start	19.24	Rating **	M	Issue No.	23
LM End	19.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.904041 °	38.906697 °
				-121.790298 °	-121.792796 °
DWR ID	DWR_RD1500_01_f_2014_23				
Action/Comments					
Inspector Comments: 1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion. 2013: No observed changes. [2013 Site ID: SAC_104-5_L]					

Photo 1 of 1 : FA_2014_RD1500_189_23_20141014_00021.jpg



USACE 2013 Photo #1

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	25.17	Rating **	M	Issue No.	69
LM End	25.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.944340 °	38.944340 °	
			-121.835790 °	-121.835790 °	
DWR ID	DWR_RD1500_01_f_2013_69				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2014_RD1500_189_69_20141014_00057.jpg



Multiple rodent burrows on landside slope. Fall 2013

LM Start	25.17	Rating **	M	Issue No.	69 (cont)
LM End	25.17	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_RD1500_189_69_20141014_00058.jpg



A rodent burrow on the landside Fall 2013

LM Start	26.68	Rating **	C	Issue No.	97
LM End	26.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.962921 °	38.962921 °	
			-121.832469 °	-121.832469 °	
DWR ID	DWR_RD1500_01_f_2012_97				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: unable to tell grasses too tall					

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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	26.84	Rating **	C	Issue No.	1350
LM End	29.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.964870 °	38.989449 °	
			-121.833676 °	-121.800660 °	
DWR ID	DWR_RD1500_01_s_2014_1350				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	29.31	Rating **	A/W	Issue No.	84
LM End	29.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.988078 °	38.988595 °	
			-121.811692 °	-121.807532 °	
DWR ID	DWR_RD1500_01_s_2012_84				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA_2014_RD1500_189_84_20141014_00069.jpg



A photo of the revegetation site.

LM Start	29.31	Rating **	A/W	Issue No.	84 (cont)
LM End	29.54	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD1500_189_84_20141014_00070.jpg



Another revegetation site on the waterside berm, photo taken spring 2012.

* 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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/23/2014 10/23/2014	Clay Thomas

LM Start	30.91	Rating **	M	Issue No.	29
LM End	30.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.999745 °	39.001413 °
				-121.800898 °	-121.802889 °
DWR ID	DWR_RD1500_01_f_2014_29				
Action/Comments					
Inspector Comments: 2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2013: No observed					

Photo 1 of 1 : FA_2014_RD1500_189_29_20141014_00027.jpg



USACE 2013 Photo #1

LM Start	31.38	Rating **	M	Issue No.	34
LM End	31.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.003301 °	39.006072 °
				-121.805024 °	-121.815926 °
DWR ID	DWR_RD1500_01_f_2014_34				
Action/Comments					
Inspector Comments: 2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2013: No observed changes. [2013 Site ID: SAC_116-5_L]					

Photo 1 of 1 : FA_2014_RD1500_189_34_20141014_00032.jpg



USACE 2013 Photo #1

LM Start	31.63	Rating **	C	Issue No.	1351
LM End	33.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.005662 °	39.016397 °
				-121.809345 °	-121.822857 °
DWR ID	DWR_RD1500_01_s_2014_1351				
Action/Comments					
Keep the crown roadway free of vegetation.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.00	Rating **	A	Issue No.	2
LM End	20.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation			°	°
DWR ID	DWR_RD1500_02_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD1500_190_2_20141030_00020.jpg



Levee mile 16.71, vegetation on the water side slope. Fall 2014

LM Start	0.00	Rating **	A	Issue No.	3
LM End	20.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation			°	°
DWR ID	DWR_RD1500_02_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD1500_190_3_20141030_00021.jpg



Levee mile 16.71, vegetation on the land side slope. Fall 2014.

LM Start	0.00	Rating **	M	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.761121	°	38.761121
			-121.674592	°	-121.674592
DWR ID	DWR_RD1500_02_s_2012_12				
Action/Comments					
Equipment					

Photo 1 of 2 : FA_2014_RD1500_190_12_20141014_00008.jpg



Farm equipment is parked on the levee slope. Photo fall 2012.

* 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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/23/2014 10/23/2014	Clay Thomas

LM Start	0.00	Rating **	M	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.761121 °	38.761121 °	
			-121.674592 °	-121.674592 °	
DWR ID	DWR_RD1500_02_s_2012_12				
Action/Comments					
Equipment					

Photo 2 of 2 : FA_2014_RD1500_190_12_20141014_00009.jpg



Farm equipment is on the levee crown. Spring 2014

LM Start	0.16	Rating **	M	Issue No.	302
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.762750 °	38.782985 °	
			-121.672501 °	-121.655599 °	
DWR ID	DWR_RD1500_02_s_2014_302				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : FA_2014_RD1500_190_302_20141014_00016.jpg



Maintain unwanted vegetation on the levee crown Spring 2014

LM Start	0.24	Rating **	C	Issue No.	303
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.763484 °	38.763484 °	
			-121.671540 °	-121.671540 °	
DWR ID	DWR_RD1500_02_s_2014_303				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/23/2014 10/23/2014	Clay Thomas

LM Start	2.02	Rating **	C	Issue No.	304
LM End	6.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.785361 °	38.850023 °	
			-121.654617 °	-121.653874 °	
DWR ID	DWR_RD1500_02_s_2014_304				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	3.34	Rating **	C	Issue No.	1
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.803810 °	38.803810 °	
			-121.657095 °	-121.657095 °	
DWR ID	DWR_RD1500_02_f_2013_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Unable to see; the grass are too tall.					

No Photos

LM Start	3.42	Rating **	C	Issue No.	6
LM End	3.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.804993 °	38.804993 °	
			-121.657523 °	-121.657523 °	
DWR ID	DWR_RD1500_02_f_2013_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Unable to see; the grass are too tall.					

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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/23/2014 10/23/2014	Clay Thomas

LM Start	3.98	Rating **	C	Issue No.	8
LM End	3.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.812725 °	38.812725 °	
			-121.660802 °	-121.660802 °	
DWR ID	DWR_RD1500_02_f_2013_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Unable to see; the grass are too tall.					

No Photos

LM Start	4.16	Rating **	C	Issue No.	19
LM End	4.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.815070 °	38.815070 °	
			-121.661787 °	-121.661787 °	
DWR ID	DWR_RD1500_02_f_2013_19				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Unable to see; the grass are too tall.					

No Photos

LM Start	6.23	Rating **	C	Issue No.	20
LM End	6.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.843900 °	38.843900 °	
			-121.656275 °	-121.656275 °	
DWR ID	DWR_RD1500_02_f_2013_20				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Unable to see; the grass are too tall.					

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 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/23/2014 10/23/2014	Clay Thomas

LM Start	7.18	Rating **	C	Issue No.	305
LM End	10.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.857051 °	38.902850 °	
			-121.651108 °	-121.638295 °	
DWR ID	DWR_RD1500_02_s_2014_305				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	14.22	Rating **	A/W	Issue No.	4
LM End	14.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.947582 °	38.947582 °	
			-121.669740 °	-121.669740 °	
DWR ID	DWR_RD1500_02_s_2012_4				
Action/Comments					

Photo 1 of 1 : FA_2014_RD1500_190_4_20141014_00002.jpg



The relief well at boil 12, photo taken spring 2012.

LM Start	14.40	Rating **	U	Issue No.	10
LM End	14.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.949640 °	38.949640 °	
			-121.671947 °	-121.671947 °	
DWR ID	DWR_RD1500_02_s_2012_10				
Action/Comments					
Inspector Comments: Fall 2013, work has been done on the seepage well. Unsure if it operates properly. Spring 2014 unable to find may have been removed.					

Photo 1 of 2 : FA_2014_RD1500_190_10_20141014_00005.jpg



The pieces of the puzzle have been placed back. Unsure if repaired. Fall 2013

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/23/2014 10/23/2014	Clay Thomas

LM Start	14.40	Rating **	U	Issue No.	10 (cont)
LM End	14.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.949640 °	38.949640 °
				-121.671947 °	-121.671947 °
DWR ID	DWR_RD1500_02_s_2012_10				
Action/Comments					
Inspector Comments: Fall 2013, work has been done on the seepage well. Unsure if it operates properly. Spring 2014 unable to find may have been removed.					



The seepage well and pad needs to be repaired, Spring 2013

LM Start	14.56	Rating **	A/W	Issue No.	11
LM End	14.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.951398 °	38.951398 °
				-121.673827 °	-121.673827 °
DWR ID	DWR_RD1500_02_s_2012_11				
Action/Comments					



A relief well at boil 16, photo taken spring 2012.

LM Start	18.24	Rating **	A/W	Issue No.	13
LM End	18.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.987092 °	38.987092 °
				-121.725097 °	-121.725097 °
DWR ID	DWR_RD1500_02_s_2012_13				
Action/Comments					



Two of five drains on the landside berm. Photo fall 2012.

* 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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