

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

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

No Photos

LM Start		Rating **	A	Issue No.	<b>55</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	
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.	<b>61</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	
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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>1681</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761057 °	38.761057 °	
			-121.675021 °	-121.675021 °	
DWR ID	DWR_RD1500_01_s_2015_1681				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_1681\_20150514\_03098.jpg



View of the animal burrow on the landward side of the levee looking upstream. The hole seems to be freshly dug. Spring 2015.

LM Start	<b>0.03</b>	Rating **	M	Issue No.	<b>2533</b>
LM End	<b>4.71</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.761054 °	38.802750 °	
			-121.675166 °	-121.704561 °	
DWR ID	DWR_RD1500_01_s_2015_2533				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_2533\_20150514\_03090.jpg



View of the vegetation on the landward side of the levee looking upstream. Spring 2015.

LM Start	<b>0.03</b>	Rating **	M	Issue No.	<b>2534</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.761055 °	38.770650 °	
			-121.675166 °	-121.689255 °	
DWR ID	DWR_RD1500_01_s_2015_2534				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>0.20</b>	Rating **	M	Issue No.	<b>2535</b>
LM End	<b>0.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761728 °	38.761728 °	
			-121.677991 °	-121.677991 °	
DWR ID	DWR_RD1500_01_s_2015_2535				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_2535\_20150514\_03091.jpg



View of the animal burrow on the landward side of the levee looking upstream. Spring 2015.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>2536</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762233 °	38.762233 °	
			-121.678326 °	-121.678326 °	
DWR ID	DWR_RD1500_01_s_2015_2536				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>0.29</b>	Rating **	M	Issue No.	<b>2537</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762949 °	38.762949 °	
			-121.678794 °	-121.678794 °	
DWR ID	DWR_RD1500_01_s_2015_2537				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>0.31</b>	Rating **	M	Issue No.	<b>2539</b>
LM End	<b>0.31</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763140 °	38.763140 °
				-121.678949 °	-121.678949 °
DWR ID	DWR_RD1500_01_s_2015_2539				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>0.31</b>	Rating **	M	Issue No.	<b>2538</b>
LM End	<b>0.31</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763141 °	38.763141 °
				-121.678949 °	-121.678949 °
DWR ID	DWR_RD1500_01_s_2015_2538				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_2538\_20150514\_03092.jpg



View of the animal burrows on the landward side of the levee looking upstream. Spring 2015.

LM Start	<b>0.31</b>	Rating **	M	Issue No.	<b>2540</b>
LM End	<b>0.31</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763154 °	38.763154 °
				-121.678967 °	-121.678967 °
DWR ID	DWR_RD1500_01_s_2015_2540				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_2540\_20150514\_03093.jpg



Perspective view of the animal burrow on the crown of the levee looking upstream. Spring 2015.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N</b> : Not Inspected/Rated <b>C</b> : Corrected <b>A/W</b> : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>0.31</b>	Rating **	M	Issue No.	<b>53</b>
LM End	<b>0.31</b>	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 : SP\_2015\_RD1500\_189\_53\_20150401\_00044.jpg



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

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>2541</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.764501 °	38.764501 °
				-121.681892 °	-121.681892 °
DWR ID	DWR_RD1500_01_s_2015_2541				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>2542</b>
LM End	<b>0.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.764514 °	38.764514 °
				-121.682210 °	-121.682210 °
DWR ID	DWR_RD1500_01_s_2015_2542				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>0.53</b>	Rating **	C	Issue No.	<b>1337</b>
LM End	<b>1.35</b>	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.					

No Photos

LM Start	<b>0.56</b>	Rating **	A/W	Issue No.	<b>72</b>
LM End	<b>0.82</b>	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 : SP\_2015\_RD1500\_189\_72\_20150401\_00050.jpg



A view of the revegetation site.

LM Start	<b>0.56</b>	Rating **	A/W	Issue No.	<b>72 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD1500\_189\_72\_20150401\_00051.jpg



A revegetation site waterside toe, photo taken spring 2012.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>0.63</b>	Rating **	A/W	Issue No.	<b>76</b>
LM End	<b>1.05</b>	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 : SP\_2015\_RD1500\_189\_76\_20150401\_00054.jpg



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

LM Start	<b>0.63</b>	Rating **	A/W	Issue No.	<b>76 (cont)</b>
LM End	<b>1.05</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD1500\_189\_76\_20150401\_00055.jpg



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

LM Start	<b>1.24</b>	Rating **	M	Issue No.	<b>2543</b>
LM End	<b>1.24</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.769175 °	38.769175 °
				-121.691849 °	-121.691849 °
DWR ID	DWR_RD1500_01_s_2015_2543				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_2543\_20150514\_03094.jpg



View of the animal burrow on the landward side of the levee looking upstream. Spring 2015.

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>1.95</b>	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 : SP\_2015\_RD1500\_189\_1\_20150401\_00001.jpg



USACE 2013 Photo #1

LM Start	<b>1.94</b>	Rating **	M	Issue No.	<b>2544</b>
LM End	<b>4.71</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.777220 °	38.802750 °	
			-121.685324 °	-121.704562 °	
DWR ID	DWR_RD1500_01_s_2015_2544				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>2.30</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>2.34</b>	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 : SP\_2015\_RD1500\_189\_2\_20150401\_00002.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>2.63</b>	Rating **	M	Issue No.	<b>2545</b>
LM End	<b>2.75</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.786039 °	38.786679 °	
			-121.687678 °	-121.685697 °	
DWR ID	DWR_RD1500_01_s_2015_2545				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>4.99</b>	Rating **	M	Issue No.	<b>2546</b>
LM End	<b>33.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.801567 °	39.022924 °	
			-121.709500 °	-121.820742 °	
DWR ID	DWR_RD1500_01_s_2015_2546				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>5.17</b>	Rating **	A/W	Issue No.	<b>1340</b>
LM End	<b>5.17</b>	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 : SP\_2015\_RD1500\_189\_1340\_20150401\_00083.jpg



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

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Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>5.26</b>	Rating **	M	Issue No.	<b>1341</b>
LM End	<b>5.26</b>	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 : SP\_2015\_RD1500\_189\_1341\_20150401\_00084.jpg



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

LM Start	<b>5.26</b>	Rating **	M	Issue No.	<b>1342</b>
LM End	<b>5.26</b>	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 : SP\_2015\_RD1500\_189\_1342\_20150401\_00085.jpg



A rodent hole on the landside levee slope. Spring 2014

LM Start	<b>5.80</b>	Rating **	M	Issue No.	<b>2547</b>
LM End	<b>33.13</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.804756 °	39.022925 °
				-121.722433 °	-121.820742 °
DWR ID	DWR_RD1500_01_s_2015_2547				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N</b> : Not Inspected/Rated <b>C</b> : Corrected <b>A/W</b> : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>7.12</b>	Rating **	C	Issue No.	<b>216</b>
LM End	<b>7.12</b>	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					

No Photos

LM Start	<b>7.15</b>	Rating **	M	Issue No.	<b>217</b>
LM End	<b>7.15</b>	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 : SP\_2015\_RD1500\_189\_217\_20150401\_00067.jpg



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

LM Start	<b>7.20</b>	Rating **	A/W	Issue No.	<b>1343</b>
LM End	<b>7.20</b>	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 : SP\_2015\_RD1500\_189\_1343\_20150401\_00086.jpg



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

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>7.49</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>7.49</b>	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 : SP\_2015\_RD1500\_189\_16\_20150401\_00013.jpg



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

LM Start	<b>8.27</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>8.47</b>	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 : SP\_2015\_RD1500\_189\_3\_20150401\_00003.jpg



USACE 2013 Photo #1

LM Start	<b>8.92</b>	Rating **	A/W	Issue No.	<b>1344</b>
LM End	<b>8.92</b>	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 : SP\_2015\_RD1500\_189\_1344\_20150401\_00087.jpg



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

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>9.40</b>	Rating **	A/W	Issue No.	<b>74</b>
LM End	<b>9.63</b>	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 : SP\_2015\_RD1500\_189\_74\_20150401\_00052.jpg



A revegetation site on the waterside bank with sprinklers installed.

LM Start	<b>9.40</b>	Rating **	A/W	Issue No.	<b>74 (cont)</b>
LM End	<b>9.63</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD1500\_189\_74\_20150401\_00053.jpg



Another revegetation site photo taken spring 2012.

LM Start	<b>11.81</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>11.81</b>	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

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 - Spring 2015**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>11.82</b>	Rating **	M	Issue No.	<b>219</b>
LM End	<b>11.82</b>	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 : SP\_2015\_RD1500\_189\_219\_20150401\_00068.jpg



Concrete debris stockpiled on the waterside. Fall 2013

LM Start	<b>11.82</b>	Rating **	M	Issue No.	<b>219 (cont)</b>
LM End	<b>11.82</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD1500\_189\_219\_20150401\_00069.jpg



Concrete debris is along the berm area. Spring 2014

LM Start	<b>12.14</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>12.14</b>	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 : SP\_2015\_RD1500\_189\_10\_20150401\_00008.jpg



USACE 2013 Photo #1

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>12.81</b>	Rating **	A/W	Issue No.	<b>25</b>
LM End	<b>12.81</b>	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 : SP\_2015\_RD1500\_189\_25\_20150401\_00023.jpg



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

LM Start	<b>13.05</b>	Rating **	M	Issue No.	<b>992</b>
LM End	<b>13.05</b>	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: There are equipment and tires at this location.					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_992\_20150401\_00079.jpg



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

LM Start	<b>13.98</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>14.28</b>	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 : SP\_2015\_RD1500\_189\_15\_20150401\_00012.jpg



USACE 2013 Photo #1

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>13.99</b>	Rating **	A/W	Issue No.	<b>28</b>
LM End	<b>13.99</b>	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 : SP\_2015\_RD1500\_189\_28\_20150401\_00025.jpg



View of equipment. Photo was taken in spring 2010.

LM Start	<b>14.18</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>14.18</b>	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 : SP\_2015\_RD1500\_189\_89\_20150401\_00063.jpg



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

LM Start	<b>14.27</b>	Rating **	U	Issue No.	<b>77</b>
LM End	<b>14.27</b>	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 : SP\_2015\_RD1500\_189\_77\_20150401\_00056.jpg



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

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N</b> : Not Inspected/Rated <b>C</b> : Corrected <b>A/W</b> : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 - Spring 2015**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>14.27</b>	Rating **	U	Issue No.	<b>77 (cont)</b>
LM End	<b>14.27</b>	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 : SP\_2015\_RD1500\_189\_77\_20150401\_00057.jpg



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

LM Start	<b>18.29</b>	Rating **	A/W	Issue No.	<b>51</b>
LM End	<b>18.29</b>	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 : SP\_2015\_RD1500\_189\_51\_20150401\_00040.jpg



This is an upstream view of the same erosion.

LM Start	<b>18.29</b>	Rating **	A/W	Issue No.	<b>51 (cont)</b>
LM End	<b>18.29</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD1500\_189\_51\_20150401\_00041.jpg



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

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>18.38</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>19.06</b>	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:					

Photo 1 of 1 : SP\_2015\_RD1500\_189\_22\_20150401\_00019.jpg



USACE 2013 Photo #1

LM Start	<b>19.16</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>19.47</b>	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_s_2015_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 : SP\_2015\_RD1500\_189\_23\_20150401\_00020.jpg



USACE 2013 Photo #1

LM Start	<b>24.88</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>24.88</b>	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 : SP\_2015\_RD1500\_189\_69\_20150401\_00048.jpg



Multiple rodent burrows on landside slope. Fall 2013

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>24.88</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>24.88</b>	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 2 of 2 : SP\_2015\_RD1500\_189\_69\_20150401\_00049.jpg



A rodent burrow on the landside Fall 2013

LM Start	<b>28.95</b>	Rating **	A/W	Issue No.	<b>84</b>
LM End	<b>29.17</b>	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 : SP\_2015\_RD1500\_189\_84\_20150401\_00060.jpg



A photo of the revegetation site.

LM Start	<b>28.95</b>	Rating **	A/W	Issue No.	<b>84 (cont)</b>
LM End	<b>29.17</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD1500\_189\_84\_20150401\_00061.jpg



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

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 - Spring 2015**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/13/2015 05/14/2015	Jai Lor

LM Start	<b>30.60</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>30.91</b>	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 : SP\_2015\_RD1500\_189\_29\_20150401\_00026.jpg



USACE 2013 Photo #1

LM Start	<b>31.38</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>31.38</b>	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_s_2015_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 : SP\_2015\_RD1500\_189\_34\_20150401\_00031.jpg



USACE 2013 Photo #1

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/14/2015 05/14/2015	Jai Lor

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>0.00</b>	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 : SP\_2015\_RD1500\_190\_12\_20150401\_00006.jpg



Farm equipment is on the levee crown. Spring 2014

LM Start	<b>0.16</b>	Rating **	M	Issue No.	<b>302</b>
LM End	<b>1.85</b>	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 : SP\_2015\_RD1500\_190\_302\_20150401\_00011.jpg



Control unwanted vegetation on the levee crown Spring 2014

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>587</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.785438 °	38.800998 °	
			-121.654603 °	-121.656246 °	
DWR ID	DWR_RD1500_02_s_2015_587				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 - Spring 2015**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/14/2015 05/14/2015	Jai Lor

LM Start	<b>14.13</b>	Rating **	A/W	Issue No.	<b>4</b>
LM End	<b>14.13</b>	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 : SP\_2015\_RD1500\_190\_4\_20150401\_00001.jpg



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

LM Start	<b>14.31</b>	Rating **	U	Issue No.	<b>10</b>
LM End	<b>14.31</b>	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 : SP\_2015\_RD1500\_190\_10\_20150401\_00002.jpg



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

LM Start	<b>14.31</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>14.31</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD1500\_190\_10\_20150401\_00003.jpg



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

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/14/2015 05/14/2015	Jai Lor

LM Start	<b>14.47</b>	Rating **	A/W	Issue No.	<b>11</b>
LM End	<b>14.47</b>	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					

Photo 1 of 1 : SP\_2015\_RD1500\_190\_11\_20150401\_00004.jpg



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

LM Start	<b>18.18</b>	Rating **	A/W	Issue No.	<b>13</b>
LM End	<b>18.18</b>	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					

Photo 1 of 2 : SP\_2015\_RD1500\_190\_13\_20150401\_00007.jpg



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

LM Start	<b>18.18</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>18.18</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD1500\_190\_13\_20150401\_00008.jpg



Toe drainage systems along the toe berm four total, photo taken spring 2012.

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

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

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/14/2015 05/14/2015	Jai Lor

LM Start	<b>18.19</b>	Rating **	M	Issue No.	<b>584</b>
LM End	<b>18.19</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.987247 °	38.987247 °	
			-121.725271 °	-121.725271 °	
DWR ID	DWR_RD1500_02_s_2015_584				
Action/Comments					
Tree or limb Inspector Comments: A tree broke and fell onto the waterward side of the levee.					

Photo 1 of 1 : SP\_2015\_RD1500\_190\_584\_20150514\_00814.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	<b>18.41</b>	Rating **	A/W	Issue No.	<b>15</b>
LM End	<b>18.41</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.989813 °	38.989813 °	
			-121.727763 °	-121.727763 °	
DWR ID	DWR_RD1500_02_s_2015_15				
Action/Comments					

Photo 1 of 2 : SP\_2015\_RD1500\_190\_15\_20150401\_00009.jpg



Another toe drainage system close by, photo taken spring 2012.

LM Start	<b>18.41</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>18.41</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD1500\_190\_15\_20150401\_00010.jpg



A toe drainage system at the toe berm, photo taken spring 2012.

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