

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD0501</b>		Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0501 Ryer Island</b>		<b>U</b>	<b>20.26</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	30.62	1.85	38.02	187.69%	0.33				
Trim / Thin Trees	1.75	0.03	1.87	9.23%					
Encroachments	0.02		0.02	0.10%	0.31	0.03			
Animal Control	0.70		0.70	3.46%					
Slope Stability	0.01		0.01	0.05%					
Erosion / Bank Caving	0.07		0.07	0.35%					
<i>Supplemental</i>									
USACE Erosion Survey	0.25		0.25	1.23%					
DWR UCIP Field Study					0.42	0.06			
<i>LMA Totals:</i>	33.42	1.88	40.94	202.11%	1.06	0.09	0.00	0.00	

<b>Unit No. 01 Steamboat Slough RB</b>		Overall Unit Rating	Total Unit Miles						
RD0501		<b>U</b>	<b>6.71</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	6.51	0.13	7.03	104.84%	0.29				
Trim / Thin Trees	1.09	0.03	1.21	18.04%					
Encroachments	0.02		0.02	0.30%	0.21	0.02			
Animal Control	0.51		0.51	7.61%					
Erosion / Bank Caving	0.06		0.06	0.90%					
<i>Supplemental</i>									
USACE Erosion Survey	0.24		0.24	3.58%					
DWR UCIP Field Study					0.05	0.02			
<i>Unit Totals:</i>	8.43	0.16	9.07	135.26%	0.55	0.04	0.00	0.00	

<b>Unit No. 02 Cache Slough LB</b>		Overall Unit Rating	Total Unit Miles						
RD0501		<b>U</b>	<b>3.56</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	11.15	0.76	14.19	398.32%					
Trim / Thin Trees	0.03		0.03	0.84%					
Encroachments					0.08				
Animal Control	0.18		0.18	5.05%					
Erosion / Bank Caving	0.01		0.01	0.28%					
<i>Supplemental</i>									
USACE Erosion Survey	0.01		0.01	0.28%					
DWR UCIP Field Study					0.10	0.02			
<i>Unit Totals:</i>	11.38	0.76	14.42	404.78%	0.18	0.02	0.00	0.00	

**Flood Control Project Maintenance  
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**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin (cont.)**

Unit No. 03 Miner Slough LB RD0501	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>7.71</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	12.10	0.93	15.82	205.16%	0.03			
Trim / Thin Trees	0.60		0.60	7.78%				
Encroachments					0.02	0.01		
<i>Supplemental</i>								
DWR UCIP Field Study					0.18	0.01		
<i>Unit Totals:</i>	12.70	0.93	16.42	212.95%	0.23	0.02	0.00	0.00

Unit No. 04 Sutter Slough RB RD0501	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>2.28</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.86	0.03	0.98	43.02%	0.01			
Trim / Thin Trees	0.03		0.03	1.32%				
Animal Control	0.01		0.01	0.44%				
Slope Stability	0.01		0.01	0.44%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.09	0.01		
<i>Unit Totals:</i>	0.91	0.03	1.03	45.22%	0.10	0.01	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

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

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway		Bank	Unit Miles	
Unit No. 01 Steamboat Slough		Right	6.71	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/02/2014 - 04/02/2014		11/06/2014 - 11/06/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Nicolas Zepeda RD 501		Nicolas Zepeda RD 501	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

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

No Photos

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

No Photos

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

No Photos

<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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.01</b>	Rating **	A	Issue No.	<b>118</b>
LM End	<b>2.33</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254089 °	38.221505 °	
			-121.601730 °	##### °	
DWR ID	DWR_RD0501_01_f_2014_118				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The RD is doing a good job trimming the trees on the landward slope.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_118\_20141126\_00096.jpg



Looking downstream from 0.01 to 2.33.

LM Start	<b>0.02</b>	Rating **	C	Issue No.	<b>120</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254089 °	38.254023 °	
			-121.601732 °	-121.601853 °	
DWR ID	DWR_RD0501_01_f_2013_120				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: This growth of fig trees should be removed from landward toe of levee and slope, visibility is completely blocked.					

No Photos

LM Start	<b>0.03</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254075 °	38.254025 °	
			-121.601838 °	-121.601928 °	
DWR ID	DWR_RD0501_01_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

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

No Photos

LM Start	<b>0.04</b>	Rating **	C	Issue No.	<b>1</b>
LM End	<b>0.27</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.253853 °	38.250719 °	
			-121.601921 °	-121.603080 °	
DWR ID	DWR_RD0501_01_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.04</b>	Rating **	C	Issue No.	<b>74</b>
LM End	<b>0.04</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.253862 °	38.253862 °	
			-121.602069 °	-121.602069 °	
DWR ID	DWR_RD0501_01_f_2013_74				
Action/Comments					
Tree or limb					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.13</b>	Rating **	<b>C</b>	Issue No.	<b>67</b>
LM End	<b>0.37</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.252658 °	38.249205 °	
			-121.602835 °	-121.603128 °	
DWR ID	DWR_RD0501_01_s_2012_67				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>0.17</b>	Rating **	<b>U</b>	Issue No.	<b>108</b>
LM End	<b>0.17</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.252140 °	38.252140 °	
			-121.602902 °	-121.602902 °	
DWR ID	DWR_RD0501_01_f_2014_108				
Action/Comments					
Inspector Comments: FS_ID:32523 EP_NO: 4581 Repair Type: Urgent Crossing Status: Found UCIP Comments: Damage present on levee crown--unable to confirm if damage due to leak in pipe. Signs of repair work on crown, however, no permit found to document recent damage to levee or repair work. New PVC pipe has been sleeved through the existing 6-inch pipe. Unable to determine if crossing is still in use, if not, crossings needs to be removed according to CVFPB Title 23 requirements. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 2.5 feet below the crown. 2-inch steel electrical conduit through levee. Cutoff wall around pipe at center of levee. Pump and gate valve in pump structure on waterward slope. Service pole on landward slope. Pipe exposed on both slopes. (Permit No. 4581-1964) FS Date: 6/4/2013					

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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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.25</b>	Rating **	M	Issue No.	<b>123</b>
LM End	<b>1.11</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.250999 °	38.238869 °	
			-121.603126 °	-121.604356 °	
DWR ID	DWR_RD0501_01_f_2013_123				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.35</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.250261 °	38.249562 °	
			-121.603126 °	-121.603105 °	
DWR ID	DWR_RD0501_01_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.38</b>	Rating **	M	Issue No.	<b>109</b>
LM End	<b>0.38</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249185 °	38.249185 °
				-121.603036 °	-121.603036 °
DWR ID	DWR_RD0501_01_f_2014_109				
Action/Comments					
Inspector Comments: FS_ID:32524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of leaks through the slope. Recommend removing vegetation along pipe alignment for reinspection. Need to contact the owner to clear slope along crossing. FIELD_STRUCT_DESC: 20-inch and 2.5-inch pipes through the levee, both 7.8 feet below the crown. Pump in pump house on landward slope. Pipe exposed along waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.40). FS Date: 6/4/2013					

No Photos

LM Start	<b>0.41</b>	Rating **	M	Issue No.	<b>124</b>
LM End	<b>0.44</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.248744 °	38.248331 °
				-121.603034 °	-121.602990 °
DWR ID	DWR_RD0501_01_f_2013_124				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.48</b>	Rating **	C	Issue No.	<b>72</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.247797 °	38.247797 °	
			-121.602973 °	-121.602973 °	
DWR ID	DWR_RD0501_01_s_2014_72				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.51</b>	Rating **	C	Issue No.	<b>963</b>
LM End	<b>0.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.247310 °	38.247310 °	
			121.602876 °	-121.602876 °	
DWR ID	DWR_RD0501_01_s_2012_963				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>0.55</b>	Rating **	C	Issue No.	<b>7</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.246798 °	38.246798 °	
			-121.602872 °	-121.602872 °	
DWR ID	DWR_RD0501_01_s_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.62</b>	Rating **	C	Issue No.	<b>125</b>
LM End	<b>0.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.245688 °	38.245315 °	
			-121.602863 °	-121.602876 °	
DWR ID	DWR_RD0501_01_f_2013_125				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>0.70</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.245010 °	38.244523 °	
			-121.602955 °	-121.602940 °	
DWR ID	DWR_RD0501_01_s_2012_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>0.67</b>	Rating **	C	Issue No.	<b>967</b>
LM End	<b>0.67</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.244962 °	38.244962 °	
			-121.602950 °	-121.602950 °	
DWR ID	DWR_RD0501_01_s_2012_967				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.68</b>	Rating **	C	Issue No.	<b>8</b>
LM End	<b>0.70</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.244926 °	38.244541 °	
			-121.602901 °	-121.602938 °	
DWR ID	DWR_RD0501_01_s_2012_8				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>0.69</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>1.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.244667 °	38.237470 °	
			-121.602967 °	-121.604418 °	
DWR ID	DWR_RD0501_01_s_2012_71				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>0.70</b>	Rating **	C	Issue No.	<b>10</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.244540 °	38.243835 °	
			-121.602937 °	-121.603057 °	
DWR ID	DWR_RD0501_01_s_2012_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.75</b>	Rating **	<b>C</b>	Issue No.	<b>9</b>
LM End	<b>0.94</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.243835 °	38.241204 °	
			-121.603057 °	-121.603568 °	
DWR ID	DWR_RD0501_01_s_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: There is wild berries growing on levee slope and toe that blocks the view of the levee. The district has purchased a slope mower and they are in the process of mowing the slopes.					

No Photos

LM Start	<b>1.00</b>	Rating **	<b>C</b>	Issue No.	<b>969</b>
LM End	<b>1.17</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240333 °	38.237953 °	
			-121.603863 °	-121.604482 °	
DWR ID	DWR_RD0501_01_s_2012_969				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.00</b>	Rating **	<b>C</b>	Issue No.	<b>60</b>
LM End	<b>2.10</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240296 °	38.224454 °	
			-121.603884 °	-121.603683 °	
DWR ID	DWR_RD0501_01_f_2012_60				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.01</b>	Rating **	C	Issue No.	<b>128</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240150 °	38.240006 °	
			-121.603965 °	-121.603993 °	
DWR ID	DWR_RD0501_01_f_2013_128				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.02</b>	Rating **	C	Issue No.	<b>126</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240061 °	38.240061 °	
			-121.603925 °	-121.603925 °	
DWR ID	DWR_RD0501_01_f_2013_126				
Action/Comments					
Trees / Woody Vegetation					

No Photos

LM Start	<b>1.11</b>	Rating **	C	Issue No.	<b>129</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.238762 °	38.238545 °	
			-121.604369 °	-121.604409 °	
DWR ID	DWR_RD0501_01_f_2013_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.21</b>	Rating **	<b>M</b>	Issue No.	<b>130</b>
LM End	<b>1.82</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.237241 °	38.228784 °	
			-121.604435 °	-121.604123 °	
DWR ID	DWR_RD0501_01_f_2013_130				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.55</b>	Rating **	<b>C</b>	Issue No.	<b>13</b>
LM End	<b>1.74</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.232531 °	38.229930 °	
			-121.603485 °	-121.603892 °	
DWR ID	DWR_RD0501_01_s_2012_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild growth of berries on slope and toe.					

No Photos

LM Start	<b>1.84</b>	Rating **	<b>U</b>	Issue No.	<b>73</b>
LM End	<b>1.84</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.228399 °	38.228399 °	
			-121.604134 °	-121.604134 °	
DWR ID	DWR_RD0501_01_s_2014_73				
Action/Comments					
Pipe Inspector Comments: Pipe has been replaced but the job is not complete. 4-02-2014. This project as of 11-6-2014 has not been completed. The grouting has not been done.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_73\_20141126\_00097.jpg



Looking at the unfinished pipe work at levee mile 1.84.

<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	<b>N : Not Inspected/Rated</b> <b>C : Corrected</b> <b>A/W : Acceptable but Monitor &amp; Maintain</b>	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.92</b>	Rating **	M	Issue No.	<b>131</b>
LM End	<b>2.20</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.227247 °	38.223326 °	
			-121.604157 °	-121.603497 °	
DWR ID	DWR_RD0501_01_f_2013_131				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>2.10</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.225500 °	38.224738 °	
			-121.603887 °	-121.603750 °	
DWR ID	DWR_RD0501_01_s_2012_26				
Action/Comments					
Note and monitor erosion site.					

No Photos

LM Start	<b>2.24</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>2.29</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.222758 °	38.222030 °	
			-121.603348 °	-121.603303 °	
DWR ID	DWR_RD0501_01_s_2012_27				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.32</b>	Rating **	U	Issue No.	<b>116</b>
LM End	<b>2.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.221620 °	38.221620 °	
			-121.603390 °	-121.603393 °	
DWR ID	DWR_RD0501_01_f_2014_116				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim the trees to allow slope to be seen.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_116\_20141126\_00098.jpg



Looking downstream at the woody tree growth on the landward levee slope.

LM Start	<b>2.32</b>	Rating **	U	Issue No.	<b>133</b>
LM End	<b>2.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.221606 °	38.221529 °	
			-121.603429 °	-121.603436 °	
DWR ID	DWR_RD0501_01_f_2013_133				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the vegetation off the levee slope landward.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_133\_20141126\_00099.jpg



Looking upstream at woody tree growth and vegetation has completely blocked the view of the slope.

LM Start	<b>2.34</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>2.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.221257 °	38.221257 °	
			-121.603526 °	-121.603526 °	
DWR ID	DWR_RD0501_01_f_2012_62				
Action/Comments					
Tree or limb					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>75</b>
LM End	<b>2.35</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.221206 °	38.221206 °	
			-121.603572 °	-121.603572 °	
DWR ID	DWR_RD0501_01_s_2014_75				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>2.38</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.220732 °	38.202810 °	
			-121.603734 °	-121.613523 °	
DWR ID	DWR_RD0501_01_s_2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>2.44</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>4.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.219976 °	38.197748 °	
			-121.604168 °	-121.616084 °	
DWR ID	DWR_RD0501_01_s_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

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

No Photos

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

No Photos

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>134</b>
LM End	<b>2.74</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.216709 °	38.216425 °	
			-121.606735 °	-121.607087 °	
DWR ID	DWR_RD0501_01_s_2014_134				
Action/Comments					
Trim trees to at least five feet above ground level.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.83</b>	Rating **	M	Issue No.	<b>110</b>
LM End	<b>2.83</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.215351 °	38.215351 °
				-121.608013 °	-121.608013 °
DWR ID	DWR_RD0501_01_f_2014_110				
Action/Comments					
Inspector Comments: FS_ID:32526 EP_NO: 2742 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Additional notes: pump was running during inspection, 16-inch pipe debris section located on landward side, view of standpipe and support structure on waterward side does not match structure description--need to determine if crossing has been altered. FIELD_STRUCT_DESC: 16-inch drainpipe through the levee, 3.6 feet below the crown. Cutoff walls around pipe at center of levee. Siphon breaker on apex of pipe at landward shoulder. Pump house on landward shoulder. Pipe discharges into 48-inch pipe with screw gate on landward side. (Permit No. 2742-1959). Repairs made to pipe and a portion replaced, from landward shoulder to discharge end on waterward side, under Permit No. 15380 (1999). Rock revetment placed on waterward slope. Revegetation in progress on waterside. FS Date: 6/4/2013					

No Photos

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>3.31</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215112 °	38.208925 °
				-121.608273 °	-121.611162 °
DWR ID	DWR_RD0501_01_s_2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>2.93</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.214838 °	38.214075 °
				-121.608129 °	-121.608750 °
DWR ID	DWR_RD0501_01_f_2014_11				
Action/Comments					
Inspector Comments: 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2013: No observed changes. [2013 Site ID: STM_18-9_R]					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_11\_20141008\_00004.jpg



USACE 2013 Photo #1

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>135</b>
LM End	<b>2.94</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215085 °	38.214067 °
				-121.608350 °	-121.609094 °
DWR ID	DWR_RD0501_01_f_2013_135				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>2.92</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>2.97</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214235 °	38.213547 °
				-121.608993 °	-121.609527 °
DWR ID	DWR_RD0501_01_s_2012_37				
Action/Comments					
Landscaping					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.03</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>3.18</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.212573 °	38.211596 °
				-121.609760 °	-121.609928 °
DWR ID	DWR_RD0501_01_f_2014_5				
Action/Comments					
Inspector Comments: 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2013: No observed changes. [2013 Site ID: STM_18-8_R]					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_5\_20141008\_00002.jpg



USACE 2013 Photo #1

LM Start	<b>3.14</b>	Rating **	U	Issue No.	<b>111</b>
LM End	<b>3.14</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.211361 °	38.211361 °
				-121.610178 °	-121.610178 °
DWR ID	DWR_RD0501_01_f_2014_111				
Action/Comments					
Inspector Comments: FS_ID:32527 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Damage present to pipe (leak). Additional notes available: 8-inch is leaking on landward side--white sealant and rag used to seal hole, single line crack on the crown of the alignment, pipe through the levee could be bigger than 8-inch unable to confirm. Also found a 3-inch steel pipe approximately 7 feet upstream from 8-inch pipe (authorized or unauthorize?). Need to contact owner to coordinate with CVFPB. FIELD_STRUCT_DESC: 8-inch steel pipe and 1.5-inch steel electrical conduit through the levee, both 2.0 feet below the crown. Gate valve on waterward side. Cutoff wall around pipe and conduit at center of levee. Siphon breaker on apex of pipe at landside shoulder. Pump on piling structure on waterward slope installed under Permit No. 9880 (1975). Meter pole at landward toe. Pipe exposed along landward slope. Discharge filter on landward slope installed under Permit No. 9880-B (1975). FS Date: 6/4/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.20</b>	Rating **	C	Issue No.	<b>137</b>
LM End	<b>3.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.210508 °	38.209531 °	
			-121.610468 °	-121.610905 °	
DWR ID	DWR_RD0501_01_f_2013_137				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>3.20</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.210429 °	38.209974 °	
			-121.610503 °	-121.610703 °	
DWR ID	DWR_RD0501_01_s_2012_15				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>3.25</b>	Rating **	U	Issue No.	<b>63</b>
LM End	<b>3.26</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.209811 °	38.209713 °	
			-121.610813 °	-121.610882 °	
DWR ID	DWR_RD0501_01_f_2012_63				
Action/Comments					
Material Inspector Comments: There is stock pile of equipment and materials on the levee section that needs to be removed off the levee. No new photo taken of this issue 2014.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_63\_20141008\_00007.jpg



Equipment and other material on slope and toe of levee section.

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.27</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>3.33</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.209548 °	38.208632 °	
			-121.610882 °	-121.611275 °	
DWR ID	DWR_RD0501_01_s_2012_41				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>3.34</b>	Rating **	U	Issue No.	<b>43</b>
LM End	<b>3.36</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.208468 °	38.208292 °	
			-121.611348 °	-121.611437 °	
DWR ID	DWR_RD0501_01_s_2012_43				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim trees 5-feet above ground, can't see levee slope.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_43\_20141008\_00006.jpg



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

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>77</b>
LM End	<b>3.35</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.208390 °	38.208390 °	
			-121.611440 °	-121.611440 °	
DWR ID	DWR_RD0501_01_s_2014_77				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.48</b>	Rating **	M	Issue No.	<b>112</b>
LM End	<b>3.48</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.206719 °	38.206719 °	
			-121.612098 °	-121.612098 °	
DWR ID	DWR_RD0501_01_f_2014_112				
Action/Comments					
Inspector Comments: FS_ID:32529 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe was running during inspection. Crack on crown surface could be associated with pipe vibration during operation. Need to determine owner of crossing. Owner will need to clear vegetation along pipe alignment on landward side to prevent levee inspection along crossing. FIELD_STRUCT_DESC: 20-inch pipe through the levee, 2.2 feet below the crown. 1.5-inch electrical conduit along side 20 inch pipe. Pump on platform on waterward side. Walkway present on waterward side. Stand pipe located on landward toe. Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.70). FS Date: 6/4/2013					

No Photos

LM Start	<b>3.49</b>	Rating **	U	Issue No.	<b>140</b>
LM End	<b>3.60</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.206494 °	38.205020 °	
			-121.612244 °	-121.612824 °	
DWR ID	DWR_RD0501_01_f_2013_140				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: RD 501 was working in this area during inspection and plans to thin out these trees.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_140\_20141008\_00013.jpg



Looking back upstream from landside slope wild growth of black locust trees on the slope and toe. No new photo of this issue.

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.60</b>	Rating **	M	Issue No.	<b>141</b>
LM End	<b>3.81</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.205014 °	38.202066 °	
			-121.612821 °	-121.613793 °	
DWR ID	DWR_RD0501_01_f_2013_141				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>3.60</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>3.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.204983 °	38.204227 °	
			-121.612868 °	-121.613045 °	
DWR ID	DWR_RD0501_01_s_2012_47				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>3.74</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.202997 °	38.202730 °	
			-121.613447 °	-121.613520 °	
DWR ID	DWR_RD0501_01_s_2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.76</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.202820 °	38.202197 °	
			-121.613498 °	-121.613732 °	
DWR ID	DWR_RD0501_01_s_2012_50				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>3.76</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.202812 °	38.202213 °	
			-121.613495 °	-121.613733 °	
DWR ID	DWR_RD0501_01_s_2012_51				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>3.76</b>	Rating **	M	Issue No.	<b>79</b>
LM End	<b>4.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.202818 °	38.197492 °	
			-121.613545 °	-121.616342 °	
DWR ID	DWR_RD0501_01_s_2012_79				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>974</b>
LM End	<b>4.14</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.202657 °	38.197778 °	
			-121.613553 °	-121.616080 °	
DWR ID	DWR_RD0501_01_s_2012_974				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>3.77</b>	Rating **	U	Issue No.	<b>142</b>
LM End	<b>3.77</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.202627 °	38.202625 °	
			-121.613587 °	-121.613590 °	
DWR ID	DWR_RD0501_01_f_2013_142				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: RD 501 is in process of removing issue.					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_142\_20141008\_00014.jpg



Unsatisfactory woody growth on the landward slope and shoulder blocking view of levee section. RD 501 is in process of removing this issue. No new photo taken.

LM Start	<b>3.96</b>	Rating **	C	Issue No.	<b>136</b>
LM End	<b>4.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.200078 °	38.199154 °	
			-121.614578 °	-121.615133 °	
DWR ID	DWR_RD0501_01_f_2013_136				
Action/Comments					
Trees / Woody Vegetation					

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	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>4.18</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>4.24</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.197277 °	38.196657 °	
			-121.616550 °	-121.617286 °	
DWR ID	DWR_RD0501_01_s_2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>4.18</b>	Rating **	C	Issue No.	<b>29</b>
LM End	<b>4.37</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.197254 °	38.195576 °	
			-121.616522 °	-121.619088 °	
DWR ID	DWR_RD0501_01_s_2012_29				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>4.98</b>	Rating **	M	Issue No.	<b>977</b>
LM End	<b>4.99</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.195057 °	38.195068 °	
			-121.629965 °	-121.630173 °	
DWR ID	DWR_RD0501_01_s_2012_977				
Action/Comments					
Equipment					

No Photos

LM Start	<b>5.09</b>	Rating **	A/W	Issue No.	<b>144</b>
LM End	<b>5.14</b>	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.195012 °	38.194768 °	
			-121.631897 °	-121.632778 °	
DWR ID	DWR_RD0501_01_f_2013_144				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	<b>5.10</b>	Rating **	A/W	Issue No.	<b>64</b>
LM End	<b>5.18</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.194972 °	38.194563 °	
			-121.632063 °	-121.633395 °	
DWR ID	DWR_RD0501_01_s_2014_64				
Action/Comments					
Environmental Requirements.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>5.23</b>	Rating **	A/W	Issue No.	<b>117</b>
LM End	<b>5.23</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.194322 °	38.194322 °	
			-121.634290 °	-121.634290 °	
DWR ID	DWR_RD0501_01_f_2014_117				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>5.30</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>5.47</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.193805 °	38.192457 °	
			-121.635391 °	-121.637997 °	
DWR ID	DWR_RD0501_01_f_2012_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>5.36</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>5.36</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.193346 °	38.193346 °	
			-121.636419 °	-121.636419 °	
DWR ID	DWR_RD0501_01_s_2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>5.42</b>	Rating **	M	Issue No.	<b>978</b>
LM End	<b>5.46</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.192878 °	38.192588 °	
			-121.637332 °	-121.637802 °	
DWR ID	DWR_RD0501_01_f_2013_978				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

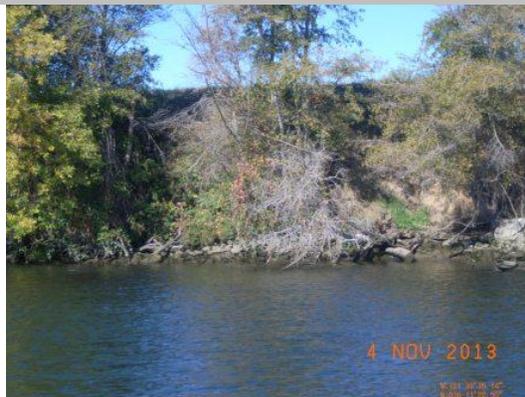
No Photos

LM Start	<b>5.75</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>5.79</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.190590 °	38.190246 °	
			-121.642468 °	-121.643164 °	
DWR ID	DWR_RD0501_01_s_2012_24				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>5.75</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>5.75</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.189311 °	38.190001 °	
			-121.643917 °	-121.643160 °	
DWR ID	DWR_RD0501_01_f_2014_3				
Action/Comments					
Inspector Comments: 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013: Site has fresh erosion and taller vertical sections. [2013 Site ID: STM_15-7_R]					

Photo 1 of 1 : FA\_2014\_RD0501\_169\_3\_20141008\_00001.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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>5.92</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>6.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.188929 °	38.185941 °	
			-121.644645 °	-121.648359 °	
DWR ID	DWR_RD0501_01_s_2012_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>6.53</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>6.73</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.184540 °	38.183924 °	
			-121.653865 °	-121.657321 °	
DWR ID	DWR_RD0501_01_s_2012_21				
Action/Comments					
Fence					

No Photos

LM Start	<b>6.53</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>6.73</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.184539 °	38.183923 °	
			-121.653865 °	-121.657321 °	
DWR ID	DWR_RD0501_01_s_2012_22				
Action/Comments					
Landscaping					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>6.63</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>6.67</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136 °	38.184040 °
				-121.655762 °	-121.656291 °
DWR ID	DWR_RD0501_01_s_2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>6.70</b>	Rating **	M	Issue No.	<b>114</b>
LM End	<b>6.70</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.183961 °	38.183961 °
				-121.656860 °	-121.656860 °
DWR ID	DWR_RD0501_01_f_2014_114				
Action/Comments					
Inspector Comments: FS_ID:32530 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If structure is no longer used--Need to contact owner to determine status. If crossing is no longer used owner will need to coordinate with CVFPB. FIELD_STRUCT_DESC: Abandoned 16-inch pipe through the levee, 6.5 feet below the crown. Siphon breaker and service pole on landward shoulder. Electrical box on landside toe. Pump on pile structure in channel. FS Date: 6/4/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway		Bank	Unit Miles
Unit No. 02 Cache Slough		Left	3.56

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/02/2014 - 04/02/2014		11/06/2014 - 11/06/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By			Nicolas Zepeda RD 501	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.188260 °	38.188260 °	
			-121.648701 °	-121.648700 °	
DWR ID	DWR_RD0501_02_s_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0501\_170\_21\_20141008\_00002.jpg



Looking downstream from levee mile 0.00 along the landside slope.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.08</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.184050 °	38.185178 °	
			-121.657713 °	-121.658515 °	
DWR ID	DWR_RD0501_02_s_2012_2				
Action/Comments					
Fence					

No Photos

LM Start	<b>0.20</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>3.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.186738 °	38.227815 °	
			-121.658798 °	-121.673129 °	
DWR ID	DWR_RD0501_02_f_2014_46				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_RD0501\_170\_46\_20141126\_00034.jpg



Looking downstream from levee mile 0.20 landside slope at tall weeds present on levee slope.

<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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.188712 °		
			-121.657735 °		
DWR ID	DWR_RD0501_02_f_2014_47				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>3.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.190509 °	38.227237 °	
			-121.656805 °	-121.673078 °	
DWR ID	DWR_RD0501_02_s_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.191117 °	38.191170 °	
			-121.656468 °	-121.656437 °	
DWR ID	DWR_RD0501_02_s_2012_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.191452 °	38.191452 °
				-121.656188 °	-121.656188 °
DWR ID	DWR_RD0501_02_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:32531 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Need to determine owner and status of crossing. FIELD_STRUCT_DESC: 10-inch pipe sleeved through a 12-inch pipe through the levee, 5.0 feet below the crown. Pump on waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.60). FS Date: 6/7/2013					

No Photos

LM Start	<b>0.86</b>	Rating **	U	Issue No.	<b>35</b>
LM End	<b>0.86</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195590 °	38.195590 °
				-121.655163 °	-121.655163 °
DWR ID	DWR_RD0501_02_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:32532 EP_NO: 3703 Repair Type: Urgent Crossing Status: Found UCIP Comments: Deteriorated pipe with holes present at intake. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If crossing is no longer used --owner will need coordinate with CVFPB to address crossing. Need to coordinate with DWR Inspector and CVFPB. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 1.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Pipe discharges into concrete sump near landward toe. Pipe is exposed along landward slope. 8-inch pipes are approximately 1 foot apart on landward side. (Permit No. 3703-1961) FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.07</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>1.11</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.198602 °	38.199148 °	
			-121.655605 °	-121.655490 °	
DWR ID	DWR_RD0501_02_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.199128 °	38.200146 °	
			-121.655881 °	-121.655638 °	
DWR ID	DWR_RD0501_02_f_2014_5				
Action/Comments					
Inspector Comments: 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2013: No observed changes. [2013 Site ID: CHS_15-9_L]					

Photo 1 of 1 : FA\_2014\_RD0501\_170\_5\_20141008\_00001.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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>1.15</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199803 °	38.199803 °
				-121.655545 °	-121.655545 °
DWR ID	DWR_RD0501_02_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:32534 EP_NO: 2817 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Scour hole located on waterward side. FIELD_STRUCT_DESC: 20-inch steel drainpipe sleeved through a 24-inch steel pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Two cutoff collars around the pipe at both shoulders. Pipe exposed along both slopes. Rock revetment on waterward slope. Berm on waterward side is over 20 feet. (Permit No. 2817-1959) FS Date: 6/7/2013					

No Photos

LM Start	<b>1.16</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>1.16</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199824 °	38.199824 °
				-121.655497 °	-121.655497 °
DWR ID	DWR_RD0501_02_f_2014_38				
Action/Comments					
Inspector Comments: FS_ID:32535 EP_NO: 14491 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Scour hole present on waterward side. FIELD_STRUCT_DESC: 24-inch steel drainpipe through the levee, 4.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on landward side. (Permit No. 14491-1986) FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.51</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>2.69</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.204957 °	38.216130 °	
			-121.655087 °	-121.667686 °	
DWR ID	DWR_RD0501_02_f_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.67</b>	Rating **	U	Issue No.	<b>76</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.209213 °	38.213214 °	
			-121.656992 °	-121.664813 °	
DWR ID	DWR_RD0501_02_f_2013_76				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: No new photo, no change.					

Photo 1 of 1 : FA\_2014\_RD0501\_170\_76\_20141008\_00003.jpg



Tall weeds on landside slope and toe of levee section looking back upstream from levee mile 2.43 to 1.67. No new picture; no change.

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.70</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>1.70</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.207433 °	38.207433 °
				-121.656299 °	-121.656299 °
DWR ID	DWR_RD0501_02_f_2014_39				
Action/Comments					
Inspector Comments: FS_ID:32536 EP_NO: 13520 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Owner needs to be informed about the vegetation clearance required for proper inspection. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 3.4 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe on landward shoulder. Pipe extends from sump off of landward toe. Pipe exposed along waterward slope. Rock revetment on waterward slope. (Permit No. 13520-1982) FS Date: 6/7/2013					

No Photos

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>75</b>
LM End	<b>1.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208143 °	38.209209 °
				-121.655911 °	-121.656697 °
DWR ID	DWR_RD0501_02_f_2013_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208907 °	38.208907 °
				-121.655507 °	-121.655507 °
DWR ID	DWR_RD0501_02_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:40489 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Stacey Boyd, LMA superintendent for RD0501, confirmed the removal and replacement of existing crossing under new permit no. 18811. New crossing will be a 30-inch diameter discharge pipe above the design flood plane. Construction will start soon. Update record once the project is completed. Dense vegetation on both waterside and landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 42-inch steel pipe through the levee, 6.5 feet below the crown. Siphon breaker on waterward slope. Pump on the landward side (Permit No. 15477, 1990). Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0). FS Date: 6/7/2013					

No Photos

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208907 °	38.208907 °
				-121.655557 °	-121.655557 °
DWR ID	DWR_RD0501_02_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:19653 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2 of 2: 36-inch steel pipe through the levee, 7.0 feet below the crown. Siphon breaker on waterward shoulder. Pumps on landward side. Pipe exposed along both slopes. Pipe supports at levee shoulders, were cutoff walls from pre-existing pipe (Permit No. 15477-1990) Dual 36-inch pipes are approximately 36-inches apart. FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.209018 °	38.209018 °
				-121.655569 °	-121.655569 °
DWR ID	DWR_RD0501_02_f_2014_42				
Action/Comments					
Inspector Comments: FS_ID:19652 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2 of 2: 36-inch steel pipe through the levee, 7.0 feet below the crown. Siphon breaker on waterward shoulder. Pumps on landward side. Pipe exposed along both slopes. Pipe supports at levee shoulders, were cutoff walls from pre-existing pipe. (Permit No. 15477-1990) Pipes are approximately 36 inches apart. FS Date: 6/7/2013					

No Photos

LM Start	<b>1.98</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>3.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226175 °	38.212626 °
				-121.604013 °	-121.609959 °
DWR ID	DWR_RD0501_02_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.19</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.210893 °	38.213373 °	
			-121.661587 °	-121.665090 °	
DWR ID	DWR_RD0501_02_f_2014_48				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.213169 °	38.213373 °	
			-121.664783 °	-121.665090 °	
DWR ID	DWR_RD0501_02_s_2014_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.92</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>2.93</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.218890 °	38.218997 °	
			-121.669934 °	-121.669988 °	
DWR ID	DWR_RD0501_02_s_2012_4				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>2.92</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>3.09</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.218885 °	38.221076 °	
			-121.670022 °	-121.671360 °	
DWR ID	DWR_RD0501_02_s_2014_29				
Action/Comments					
Exterminate rodents and 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.09</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>3.09</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221076 °	38.221076 °
				-121.671359 °	-121.671359 °
DWR ID	DWR_RD0501_02_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:19657 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 16-inch pipe sleeved through a 20-inch pipe through the levee, 4.7 feet below the crown. Annular gap grouted. Siphon breaker on landward shoulder. Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.30). The 16-inch pipe was sleeved through pre-existing pipe under Permit No. 2645 (1959). FS Date: 8/22/2013					

No Photos

LM Start	<b>3.43</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>3.43</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225823 °	38.225823 °
				-121.672837 °	-121.672837 °
DWR ID	DWR_RD0501_02_s_2012_16				
Action/Comments					
Trim trees to at least five feet above ground level.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway		Bank	Unit Miles
Unit No. 03 Miner Slough		Left	7.71
	Spring (March - May)	Summer (June - August)	(September - November) Fall
Unit Maintenance Rating (Fall Only)			<b>U</b>
Date of Inspection	04/02/2014 - 04/02/2014		11/06/2014 - 11/06/2014
DWR Inspector	Herman Phillips		Herman Phillips
Accompanied By			

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.00</b>	Rating **	<b>U</b>	Issue No.	<b>1</b>
LM End	<b>0.93</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.227815 °	38.238702 °	
			-121.673129 °	-121.664900 °	
DWR ID	DWR_RD0501_03_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the unwanted tall weeds from the landside slope.					

Photo 1 of 1 : FA\_2014\_RD0501\_171\_1\_20141126\_00070.jpg



Looking downstream from levee mile 0.00 Unit 3 RD 501 Unsatisfactory tall weeds on landside slope.

LM Start	<b>0.65</b>	Rating **	<b>M</b>	Issue No.	<b>56</b>
LM End	<b>0.65</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.234637 °	38.234637 °	
			-121.665281 °	-121.665281 °	
DWR ID	DWR_RD0501_03_f_2014_56				
Action/Comments					
Inspector Comments: FS_ID:19658 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump operating during inspection. Need to determine owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 6.3 feet below the crown instead of 16-inch pipe mentioned in O&M. Siphon breaker on landward slope. Pipe exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.70). FS Date: 6/7/2013					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.77</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>2.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236416 °	38.257445 °
				-121.665200 °	-121.651440 °
DWR ID	DWR_RD0501_03_f_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>1.38</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242879 °	38.242879 °
				-121.659450 °	-121.659450 °
DWR ID	DWR_RD0501_03_f_2014_57				
Action/Comments					
Inspector Comments: FS_ID:19659 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope on both waterward and landward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 8.0 feet below the crown. Siphon breaker on landward slope. Pump on pipe structure in stream. Concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.50). FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>127</b>
LM End	<b>2.19</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.244662 °	38.253090 °	
			-121.657822 °	-121.655613 °	
DWR ID	DWR_RD0501_03_f_2013_127				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.246660 °	38.666000 °	
			-121.688600 °	-121.690000 °	
DWR ID	DWR_RD0501_03_s_2012_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>7.81</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.246667 °	38.285653 °	
			-121.658611 °	-121.606479 °	
DWR ID	DWR_RD0501_03_s_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.93</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>1.93</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249362 °	38.249362 °
				-121.656357 °	-121.656357 °
DWR ID	DWR_RD0501_03_f_2014_58				
Action/Comments					
Inspector Comments: FS_ID:19660 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Authorized or Unauthorized? Need permit authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope on both waterward and landward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.3 feet below the crown. Pump, gate valve and switch box on waterward slope. FS Date: 6/7/2013					

No Photos

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>128</b>
LM End	<b>2.65</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253373 °	38.257400 °
				-121.655548 °	-121.651536 °
DWR ID	DWR_RD0501_03_f_2013_128				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>2.31</b>	Rating **	M	Issue No.	<b>129</b>
LM End	<b>2.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254353 °	38.257521 °
				-121.654436 °	-121.651515 °
DWR ID	DWR_RD0501_03_f_2013_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.57</b>	Rating **	M	Issue No.	<b>59</b>
LM End	<b>2.57</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.256239 °	38.256239 °
				-121.651546 °	-121.651546 °
DWR ID	DWR_RD0501_03_f_2014_59				
Action/Comments					
Inspector Comments: FS_ID:18945 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine owner of structure. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 3.3 feet below the crown. Gate valve and switch box on landward slope. Pipe exposed on both slopes. (USACE-1959) Riprap on waterward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70). FS Date: 6/7/2013					

No Photos

LM Start	<b>2.60</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>2.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.257445 °	38.258759 °
				-121.651437 °	-121.651449 °
DWR ID	DWR_RD0501_03_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>2.61</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>2.66</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.256764 °	38.257435 °
				-121.651516 °	-121.651498 °
DWR ID	DWR_RD0501_03_f_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.66</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>2.78</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.258066 °	38.259805 °	
			-121.651476 °	-121.651380 °	
DWR ID	DWR_RD0501_03_s_2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Unsatisfactory wild growth on waterside shoulder and slope.					

No Photos

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>130</b>
LM End	<b>3.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.260118 °	38.262839 °	
			-121.651351 °	-121.647722 °	
DWR ID	DWR_RD0501_03_s_2014_130				
Action/Comments					
Trim trees to at least five feet above ground level.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.58</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>3.58</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.266187 °	38.266187 °
				-121.641909 °	-121.641909 °
DWR ID	DWR_RD0501_03_f_2014_60				
Action/Comments					
Inspector Comments: FS_ID:32538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Need to find owner of crossing and determine if permit number is available. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown. Pump on pile structure in stream. Service pole on landward slope. Concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 6/7/2013					

No Photos

LM Start	<b>3.62</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>3.90</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266655 °	38.270148 °
				-121.641495 °	-121.641530 °
DWR ID	DWR_RD0501_03_s_2012_46				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.62</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266666 °	38.266857 °
				-121.641475 °	-121.641280 °
DWR ID	DWR_RD0501_03_s_2012_15				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>3.69</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>3.69</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267490 °	38.267490 °
				-121.640749 °	-121.640749 °
DWR ID	DWR_RD0501_03_f_2014_61				
Action/Comments					
Inspector Comments: FS_ID:32539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned--wooden platform structure appears to be abandoned on waterward side. Small hole underneath pipe on landward side--unable to determine cause (rodent/pipe leak) Need to find owner of crossing to determine status. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.5 feet below the crown. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.90). FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.69</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>3.70</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.267485 °	38.267578 °	
			-121.640667 °	-121.640507 °	
DWR ID	DWR_RD0501_03_s_2012_22				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Wild growth has completely covered the slope on landside. The District has started removing some of this brush, more needs to be removed.					

No Photos

LM Start	<b>3.71</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>3.73</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.267642 °	38.267907 °	
			-121.640452 °	-121.640327 °	
DWR ID	DWR_RD0501_03_s_2012_23				
Action/Comments					
Building					

No Photos

LM Start	<b>3.72</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>3.72</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.267818 °	38.267818 °	
			-121.640521 °	-121.640521 °	
DWR ID	DWR_RD0501_03_f_2014_62				
Action/Comments					
Inspector Comments: FS_ID:32540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to properly inspect structure--limited access. Also unable to determine if structure is still in use. Levee logs indicate this crossing is abandoned. If structure is no longer used-how to prevent water from flowing through levee during flood season. If structure no longer in use owner will need to coordinate with CVFPB. FIELD_STRUCT_DESC: Abandoned 5.5 x 5.5 foot concrete tunnel through the levee, 6.5 feet below the crown. FS Date: 6/7/2013					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.75</b>	Rating **	M	Issue No.	<b>63</b>
LM End	<b>3.75</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.268278 °	38.268278 °	
			-121.640377 °	-121.640377 °	
DWR ID	DWR_RD0501_03_f_2014_63				
Action/Comments					
Inspector Comments: FS_ID:19662 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to abandon structure properly--contact owner. Also if crossing is still in use--recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 36-inch pipe through the levee, 5.0 feet below the crown. Grain loading auger sleeved through the pipe. Grain loading system on platform in channel. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.00). FS Date: 6/7/2013					

No Photos

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>64</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.268570 °	38.268570 °	
			-121.640408 °	-121.640408 °	
DWR ID	DWR_RD0501_03_f_2014_64				
Action/Comments					
Inspector Comments: FS_ID:19663 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.5 feet below the crown. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.00). FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>3.79</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>4.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.268859 °	38.280924 °	
			-121.640524 °	-121.640725 °	
DWR ID	DWR_RD0501_03_s_2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The top section has been mowed. The district said they will come back and do the bottom.					

No Photos

LM Start	<b>4.06</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>4.16</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.272307 °	38.273723 °	
			-121.641668 °	-121.641085 °	
DWR ID	DWR_RD0501_03_s_2012_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>4.22</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>4.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.274602 °	38.275275 °	
			-121.640972 °	-121.639817 °	
DWR ID	DWR_RD0501_03_f_2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>4.39</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>4.39</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275843 °	38.275843 °
				-121.638698 °	-121.638698 °
DWR ID	DWR_RD0501_03_f_2014_65				
Action/Comments					
Inspector Comments: FS_ID:19664 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damage to levee shoulder. Crossing appears to be still be in use--need to contact owner to inform about maintenance issues. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 6.5 feet below the crown. Cutoff wall around pipe at waterward shoulder. Siphon breaker on apex of pipe at landward shoulder. Pump in pump house on landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.60). 18-inch steel pipe sleeved through the 24-inch pipe under Permit No. 2496 (1957). Annular gap grouted. FS Date: 6/7/2013					

No Photos

LM Start	<b>4.57</b>	Rating **	M	Issue No.	<b>133</b>
LM End	<b>5.36</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278259 °	38.287265 °
				-121.637938 °	-121.643761 °
DWR ID	DWR_RD0501_03_f_2013_133				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>4.75</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>4.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.279889 °	38.280865 °	
			-121.640228 °	-121.640726 °	
DWR ID	DWR_RD0501_03_f_2012_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>4.84</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>4.84</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.281025 °	38.281025 °	
			-121.640894 °	-121.640894 °	
DWR ID	DWR_RD0501_03_f_2014_66				
Action/Comments					
Inspector Comments: FS_ID:32541 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: --Contact owner--Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Walkway and siphon breaker not found. FIELD_STRUCT_DESC: 12-inch concrete pipe through the levee, 2.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at shoulder. Pump on pile structure in stream. Walkway access to pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.10). FS Date: 6/7/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>5.51</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>5.51</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.288936 °	38.288936 °
				-121.644171 °	-121.644171 °
DWR ID	DWR_RD0501_03_f_2014_67				
Action/Comments					
Inspector Comments: FS_ID:19666 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner and permit number authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 3.0 feet below the crown. Pump on pile structure in stream. FS Date: 6/7/2013					

No Photos

LM Start	<b>5.57</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>5.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289092 °	38.289662 °
				-121.643378 °	-121.640412 °
DWR ID	DWR_RD0501_03_s_2012_27				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>6.43</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>6.52</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.290750 °	38.290268 °
				-121.628772 °	-121.627285 °
DWR ID	DWR_RD0501_03_s_2012_6				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>6.50</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>6.50</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290373 °	38.290373 °
				-121.627633 °	-121.627633 °
DWR ID	DWR_RD0501_03_f_2014_68				
Action/Comments					
Inspector Comments: FS_ID:32542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of crossing. Horizontal and vertical cracks present on stand pipe located on landward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 6.0 feet below the crown. 2-inch conduit line through levee. Pump and gate valve on waterward slope. Pipe exposed on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 6/13/2013					

No Photos

LM Start	<b>6.51</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>6.51</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290346 °	38.290346 °
				-121.627419 °	-121.627419 °
DWR ID	DWR_RD0501_03_f_2014_69				
Action/Comments					
Inspector Comments: FS_ID:19668 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing was operating during inspection; Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 30-inch steel pipe through the levee, 9.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker at landward slope. Primer tanks on landward slope. Pipe exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). Section of pipe between shoulders removed and replaced with 30-inch steel pipe under Permit No. 2497 (1959). FS Date: 6/13/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>6.52</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>6.52</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290337 °	38.290337 °
				-121.627362 °	-121.627362 °
DWR ID	DWR_RD0501_03_f_2014_70				
Action/Comments					
Inspector Comments: FS_ID:32543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Need to find pipe owner. Unable to determine status of crossing. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 2.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Surge chamber at landward toe. Pump near waterward toe. Pipe exposed on landward side. (USACE-1959). Concrete platform 4 feet by 3 feet located on landward toe. 3-inch conduit runs along 8-inch steel pipe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 6/13/2013					

No Photos

LM Start	<b>6.93</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>6.93</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290126 °	38.290126 °
				-121.620146 °	-121.620146 °
DWR ID	DWR_RD0501_03_f_2014_71				
Action/Comments					
Inspector Comments: FS_ID:32544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Walkway missing but platform remain on the waterward side. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 6.5 feet below the crown. Switch panel on waterward slope. Pump on pile structure in stream. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.30). FS Date: 6/13/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>7.65</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>7.65</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286785 °	38.286785 °	
			-121.608583 °	-121.608583 °	
DWR ID	DWR_RD0501_03_s_2012_40				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>7.67</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>7.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286653 °	38.286342 °	
			-121.608398 °	-121.608183 °	
DWR ID	DWR_RD0501_03_s_2012_33				
Action/Comments					
Landscaping					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>7.71</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>7.71</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286134 °	38.286134 °
				-121.607920 °	-121.607920 °
DWR ID	DWR_RD0501_03_f_2014_73				
Action/Comments					
Inspector Comments: FS_ID:32546 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris (pipe section) located on waterward berm. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.7 feet below the crown. Pump in pump house at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.20). FS Date: 6/13/2013					

No Photos

LM Start	<b>7.72</b>	Rating **	U	Issue No.	<b>74</b>
LM End	<b>7.72</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286153 °	38.286153 °
				-121.607959 °	-121.607959 °
DWR ID	DWR_RD0501_03_f_2014_74				
Action/Comments					
Inspector Comments: FS_ID:32545 EP_NO: 11812 Repair Type: Urgent Crossing Status: Found UCIP Comments: Open cut section of levee on LS slope 8 foot wide--repair work needed. Abandoned pump on waterward berm. Dense vegetation--Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances on waterward side. FIELD_STRUCT_DESC: 12-inch steel pipe and 1.25-inch electrical conduit through the levee, both 3.0 feet below the crown. Cutoff wall around pipe and conduit at center of levee. Siphon breaker on apex of pipe at landward shoulder. Slant pump on waterward slope. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11812-1976) FS Date: 6/7/2013					

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	<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**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway		Bank	Unit Miles	
Unit No. 04 Sutter Slough		Right	2.28	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/02/2014 - 04/02/2014		11/06/2014 - 11/06/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Nicolas Zepeda RD 501		Nicolas Zepeda RD 501	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>2.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.285591 °	38.254319 °	
			-121.606317 °	-121.601491 °	
DWR ID	DWR_RD0501_04_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: RD 501 Has done a great job of removing the wild grasses from the landward slope.					

Photo 1 of 1 : FA\_2014\_RD0501\_172\_5\_20141126\_00046.jpg



Unit 4 looking downstream from levee mile 0.00.

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.285529 °	38.285074 °	
			-121.606258 °	-121.605489 °	
DWR ID	DWR_RD0501_04_f_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.01</b>	Rating **	A	Issue No.	<b>53</b>
LM End	<b>2.32</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.285440 °	38.254038 °	
			-121.606132 °	-121.601870 °	
DWR ID	DWR_RD0501_04_f_2014_53				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: RD 501 has done a good job of controlling wild grasses on the waterside slope.					

Photo 1 of 1 : FA\_2014\_RD0501\_172\_53\_20141126\_00047.jpg



Looking downstream from levee mile 0.00 waterside slope.

<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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.02</b>	Rating **	C	Issue No.	<b>25</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254025 °	38.254025 °	
			-121.601752 °	-121.601752 °	
DWR ID	DWR_RD0501_04_s_2012_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.284243 °	38.284243 °	
			-121.604828 °	-121.604828 °	
DWR ID	DWR_RD0501_04_f_2014_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.19</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>0.19</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.283542 °	38.283542 °	
			-121.604072 °	-121.604072 °	
DWR ID	DWR_RD0501_04_f_2014_52				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>0.79</b>	Rating **	<b>C</b>	Issue No.	<b>4</b>
LM End	<b>0.79</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.275540 °	38.275473 °	
			-121.602223 °	-121.602248 °	
DWR ID	DWR_RD0501_04_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>0.82</b>	Rating **	<b>U</b>	Issue No.	<b>65</b>
LM End	<b>0.85</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275228 °	38.274872 °	
			-121.602333 °	-121.602546 °	
DWR ID	DWR_RD0501_04_f_2013_65				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA\_2014\_RD0501\_172\_65\_20141008\_00003.jpg



Wild growth on the landside slope and toe.

LM Start	<b>0.86</b>	Rating **	<b>C</b>	Issue No.	<b>10</b>
LM End	<b>0.86</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.274747 °	38.274718 °	
			-121.602629 °	-121.602639 °	
DWR ID	DWR_RD0501_04_f_2012_10				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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	<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.272733 °	38.272700 °	
			-121.603940 °	-121.603953 °	
DWR ID	DWR_RD0501_04_s_2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>1.06</b>	Rating **	U	Issue No.	<b>43</b>
LM End	<b>1.06</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.272053 °	38.272053 °	
			-121.604176 °	-121.604176 °	
DWR ID	DWR_RD0501_04_f_2014_43				
Action/Comments					
Inspector Comments: FS_ID:32549 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe has deteriorated-holes present on landward side. Need to contact owner. Unable to determine if crossing is still being used. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 2.7 feet below the crown. Pump on waterward side. Steel plate welded on waterward end. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.10). FS Date: 6/13/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.11</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>1.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.271400 °	38.271400 °
				-121.604368 °	-121.604368 °
DWR ID	DWR_RD0501_04_f_2014_44				
Action/Comments					
Inspector Comments: FS_ID:32550 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if the pipe goes through the levee. need As-Built drawings; Need owner information. FIELD_STRUCT_DESC: 1.5-inch conduit through the levee, 2.0 feet below the crown. Pole and anchor on landward slope. FS Date: 6/13/2013					

No Photos

LM Start	<b>1.20</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>1.20</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.270171 °	38.270171 °
				-121.604403 °	-121.604403 °
DWR ID	DWR_RD0501_04_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:32551 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine status of crossing. Pipe visible on waterward side--could be the pipe that was supposed to be removed under permit number 13983 (1985). Also present is a 1.5 inch conduit along the 8 inch pipe. Need to coordinate with owner. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 6.4 feet below the crown. Pump on pile structure in stream. Service pole on landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30). Pipe should have been removed and replaced with 12-inch pipe under Permit No. 13983 (1985). FS Date: 6/13/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.50</b>	Rating **	<b>C</b>	Issue No.	<b>26</b>
LM End	<b>1.56</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.265997 °	38.265233 °	
			-121.602758 °	-121.602510 °	
DWR ID	DWR_RD0501_04_s_2012_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>1.77</b>	Rating **	<b>M</b>	Issue No.	<b>47</b>
LM End	<b>1.77</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.262235 °	38.262235 °	
			-121.601705 °	-121.601705 °	
DWR ID	DWR_RD0501_04_f_2014_47				
Action/Comments					
Inspector Comments: FS_ID:19677 EP_NO: 16906 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing was running during site inspection. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 21.2 feet below the crown. Pump on pile structure in stream. Concrete standpipe on landward side. Pipe is exposed on landward slope. (Permit No. 16906-1999) Two conduits present 3 inch conduit disconnected and 1.5 inch electrical conduit appears to be active. FS Date: 6/13/2013					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.84</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>1.87</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.261142 °	38.260653 °	
			-121.601542 °	-121.601435 °	
DWR ID	DWR_RD0501_04_f_2013_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0501\_172\_14\_20141008\_00002.jpg



Wild growth on landward slope and toe.

LM Start	<b>1.84</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>1.85</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.261283 °	38.261032 °	
			-121.601488 °	-121.601635 °	
DWR ID	DWR_RD0501_04_s_2012_8				
Action/Comments					
Landscaping					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>1.90</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>1.90</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.260407 °	38.260407 °	
			-121.601365 °	-121.601365 °	
DWR ID	DWR_RD0501_04_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:32553 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown. 2 inch conduit goes through levee. Siphon breaker on landward slope. Pump on pile structure in stream. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0). FS Date: 6/13/2013					

No Photos

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>2.07</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.257982 °	38.257982 °	
			-121.600807 °	-121.600807 °	
DWR ID	DWR_RD0501_04_f_2012_18				
Action/Comments					
Repair slope instability.					

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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>2.07</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.257982 °	38.257982 °	
			-121.600806 °	-121.600806 °	
DWR ID	DWR_RD0501_04_f_2012_19				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>2.18</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>2.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.256275 °	38.255990 °	
			-121.600933 °	-121.601015 °	
DWR ID	DWR_RD0501_04_s_2012_13				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<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**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	11/06/2014 11/06/2014	Herman Phillips

LM Start	<b>2.19</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>2.19</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.256225 °	38.256225 °
				-121.600903 °	-121.600903 °
DWR ID	DWR_RD0501_04_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:32863 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Broken concrete box on landward slope. Disturbed soil on waterward slope--unable to determine section disturbed. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterwar slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Abandoned 6-inch and working 6-inch steel pipes through the levee, 2.5 and 5.0 feet below the crown, respectively. 1.5 inch electrical conduit through levee. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.30). Pipes are within 5 feet. FS Date: 6/13/2013					

No Photos

LM Start	<b>2.33</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>2.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254038 °	38.254038 °
				-121.601869 °	-121.601869 °
DWR ID	DWR_RD0501_04_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:32555 EP_NO: 3635 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Marker missing on waterward side--need to contact owner. FIELD_STRUCT_DESC: 2.5-inch steel conduit through the levee, 3.0 feet below the crown. Pole at landward toe. Rock revetment on waterward slope. (Permit No. 3635-1962) Abandoned and replaced by 3-inch conduit under Permit No. 5412 (1967). FS Date: 6/13/2013					

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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