

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2015 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

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

\*\* 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**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Right	2.35

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

**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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>24</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		°	°	°
DWR ID	DWR_RD0404_01_s_2013_24				
Action/Comments					
Inspector Comments: The LMA has a copy of the O & M Manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>25</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_RD0404_01_s_2013_25				
Action/Comments					
Inspector Comments: LMA has adequate flood fight supplies on hand.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>26</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		°	°	°
DWR ID	DWR_RD0404_01_s_2013_26				
Action/Comments					
Inspector Comments: LMA staff are maintaining their flood fight training.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.940677 °	37.940677 °
				-121.343790 °	-121.343790 °
DWR ID	DWR_RD0404_01_s_2015_31				
Action/Comments					
Material Inspector Comments: Remove the large concrete block from landward slope.					

No Photos

LM Start	<b>0.23</b>	Rating **	C	Issue No.	<b>1</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939480 °	37.939480 °
				-121.342730 °	-121.342730 °
DWR ID	DWR_RD0404_01_s_2015_1				
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: The boat survey found the erosion has progressed significantly in size and in number of pocket erosions. 08/07/2012: The site has been visited by boat survey. The erosion has developed in size, and more pocket erosions were found. 8/23/2011: Pockets erosions observed by last survey seem to have progressed during the last flood season. Continuous monitoring of this site suggested 9/07/2010: No significant change observed on site. There is emergent vegetation at the water line. Several pocket erosions lined along the lower slope that stretches from RM 40.86 to RM 41.14. 9/30/2009: No major change observed; the site was combined with other existing sites are RM's 40.93, 40.98, and 41.14 as one site; several pocket erosion just above non-uniform toe rip rap; previously rated "U"; bare spots along the upper slope. 2008: Possibly caused by wave wash erosion; several pocket erosion along the lower slope; site is inside of a bend. 2006: Visited site 09/12/06. [2014 Site ID:RD0404U01RM40.86]					

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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.34</b>	Rating **	U	Issue No.	<b>18</b>
LM End	<b>0.34</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939228 °	37.939228 °
				-121.340786 °	-121.340786 °
DWR ID	DWR_RD0404_01_s_2015_18				
Action/Comments					
Inspector Comments: 06/19/2014: No significant change observed. 08/13/2013: The pocket erosion is located at immediately upstream of a small oak tree. [2014 Site ID:RD0404U01RM40.98]					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_18\_20150309\_00012.jpg



Front view of the erosion.

LM Start	<b>0.43</b>	Rating **	A/W	Issue No.	<b>5</b>
LM End	<b>0.43</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.939635 °	37.939635 °
				-121.339063 °	-121.339063 °
DWR ID	DWR_RD0404_01_s_2013_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One large rodent hole located on levee crown and several rodent holes also located in this area. District grouted hole, but hole was not fully grouted.					

Photo 1 of 4 : SP\_2015\_RD0404\_305\_5\_20150309\_00003.jpg



Looking at partialled grouted rodent hole on levee crown (Fall 2014).

LM Start	<b>0.43</b>	Rating **	A/W	Issue No.	<b>5 (cont)</b>
LM End	<b>0.43</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 4 : SP\_2015\_RD0404\_305\_5\_20150309\_00004.jpg



Looking at partially grouted rodent hole on levee crown

<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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.43</b>	Rating **	A/W	Issue No.	<b>5 (cont)</b>
LM End	<b>0.43</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.939635 °	37.939635 °
				-121.339063 °	-121.339063 °
DWR ID	DWR_RD0404_01_s_2013_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One large rodent hole located on levee crown and several rodent holes also located in this area. District grouted hole, but hole was not fully grouted.					

Photo 3 of 4 : SP\_2015\_RD0404\_305\_5\_20150309\_00005.jpg



Looking at rodent hole on levee crown.

LM Start	<b>0.43</b>	Rating **	A/W	Issue No.	<b>5 (cont)</b>
LM End	<b>0.43</b>	Issue Type +	Ma	Location *	CR

Photo 4 of 4 : SP\_2015\_RD0404\_305\_5\_20150309\_00006.jpg



Looking at one of several rodent holes on levee crown.

LM Start	<b>0.45</b>	Rating **	M	Issue No.	<b>104</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.939627 °	37.939627 °
				-121.338808 °	-121.338808 °
DWR ID	DWR_RD0404_01_s_2012_104				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove bamboo on waterside toe. Bamboo is not within twenty feet zone, but should be removed to stop from spreading along waterward slope. Bamboo has increased in size.					

Photo 1 of 3 : SP\_2015\_RD0404\_305\_104\_20150309\_00018.jpg



Looking northwest at bamboo on waterside toe.

<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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.45</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.939627 °	37.939627 °	
			-121.338808 °	-121.338808 °	
DWR ID	DWR_RD0404_01_s_2012_104				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove bamboo on waterside toe. Bamboo is not within twenty feet zone, but should be removed to stop from spreading along waterward slope. Bamboo has increased in size.					

Photo 2 of 3 : SP\_2015\_RD0404\_305\_104\_20150309\_00019.jpg



Looking west at bamboo on waterward slope. 2013

LM Start	<b>0.45</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2015\_RD0404\_305\_104\_20150309\_00020.jpg



Looking southwest at bamboo on waterward slope and toe.

LM Start	<b>0.48</b>	Rating **	U	Issue No.	<b>19</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.939190 °	37.939190 °	
			-121.338280 °	-121.338280 °	
DWR ID	DWR_RD0404_01_s_2015_19				
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 8/7/2012: The erosion is next to a repaired site and approximately 400 feet downstream of a river bend. There are broken concretes at the upper levee slope, but not visible at the levee toe or lower slope. Likely the protection concrete blocks have been washed away. [2014 Site					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_19\_20150309\_00013.jpg



Front view of the site.

<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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.49</b>	Rating **	U	Issue No.	<b>105</b>
LM End	<b>0.49</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40783 DS_ID:22968 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate missing from WS toe. FIELD_STRUCT_DESC: 1 of 2. Two 36-inch corrugated metal drainage pipes. FS Date: 03/26/2013					

No Photos

LM Start	<b>0.49</b>	Rating **	U	Issue No.	<b>106</b>
LM End	<b>0.49</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40784 DS_ID:22969 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe has broken flap gate. FIELD_STRUCT_DESC: 2 of 2. Two 36-inch corrugated metal drainage pipes. FS Date: 03/26/2013					

No Photos

LM Start	<b>0.60</b>	Rating **	C	Issue No.	<b>20</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939133 °	37.939133 °
				-121.336100 °	-121.336100 °
DWR ID	DWR_RD0404_01_s_2015_20				
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The site was first discovered by levee inspector in the spring inspection. Levee slope was protected with broken concrete blocks, but those blocks have been washed away during high flows. [2014 Site ID:RD0404U01RM41.22]					

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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>107</b>
LM End	<b>0.66</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:12384 DS_ID:18810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on LS. FIELD_STRUCT_DESC: 1 of 3. 30-inch CM pipes through levee, 22.0 feet below the crown. Waterward end with damaged flap gates. Steel intake structure on landside. On waterside, middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013					

No Photos

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>108</b>
LM End	<b>0.66</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:11087 DS_ID:17952 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on landside of the levee. FIELD_STRUCT_DESC: 2 of 3. 30-inch pipes through levee, 22.0 feet below the crown. Waterward end with flap gates. Landward end filled with dirt. Steel intake structure on landside of the levee. Middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013					

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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>109</b>
LM End	<b>0.66</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:12383 DS_ID:18811 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on LS FIELD_STRUCT_DESC: 3 of 3. 30-inch pipes through levee, 22.0 feet below the crown. Waterward end with flap gates. Steel intake structure on landside. Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013					

No Photos

LM Start	<b>0.66</b>	Rating **	C	Issue No.	<b>6</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.938583 °	37.938583 °
				-121.335258 °	-121.335258 °
DWR ID	DWR_RD0404_01_s_2013_6				
Action/Comments					
Garbage Inspector Comments: Wooden board dumped on landside slope.					

No Photos

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.937758 °	37.937758 °
				-121.334149 °	-121.334149 °
DWR ID	DWR_RD0404_01_s_2012_7				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_7\_20150309\_00008.jpg



Looking southeast at elderberry on landside slope.

<b>* Location</b> LS : Land Side 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
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

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**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.76</b>	Rating **	M	Issue No.	<b>110</b>
LM End	<b>0.76</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.937657 °	37.937657 °
				-121.334158 °	-121.334158 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:11188 DS_ID:17945 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tilted headwall on WS. Partially buried flap gate FIELD_STRUCT_DESC: 42-inch CM drainage pipe through levee 18.0 feet below crown. Flap gate, concrete headwall and spillway on the waterward side. Pumphouse on landward side. O&M #: SJR 001 FS Date: 03/26/2013					

No Photos

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.937395 °	37.937395 °
				-121.333883 °	-121.333883 °
DWR ID	DWR_RD0404_01_s_2013_8				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trees are blocking view of the slope.					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_8\_20150309\_00009.jpg



Looking southeast at dense trees on landward slope and toe.

LM Start	<b>0.89</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			°	°
				°	°
DWR ID	DWR_RD0404_01_f_2012_17				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.95</b>	Rating **	A/W	Issue No.	<b>2</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.935990 °	37.935990 °	
			-121.331600 °	-121.331600 °	
DWR ID	DWR_RD0404_01_s_2012_2				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>1.04</b>	Rating **	U	Issue No.	<b>3</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.935622 °	37.935622 °	
			-121.330137 °	-121.330137 °	
DWR ID	DWR_RD0404_01_f_2013_3				
Action/Comments					
Tree or limb Inspector Comments: Downed tree on waterward slope and shoulder.					

Photo 1 of 2 : SP\_2015\_RD0404\_305\_3\_20150416\_00027.jpg



Looking northwest at downed tree on waterward slope and shoulder.

LM Start	<b>1.04</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2015\_RD0404\_305\_3\_20150416\_00028.jpg



Looking north at downed tree on waterward slope and shoulder.

<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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.07</b>	Rating **	M	Issue No.	<b>102</b>
LM End	<b>1.07</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.935358 °	37.935358 °
				-121.329645 °	-121.329645 °
DWR ID	DWR_RD0404_01_s_2012_102				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>1.09</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>1.09</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.935158 °	37.935158 °
				-121.329365 °	-121.329365 °
DWR ID	DWR_RD0404_01_f_2013_4				
Action/Comments					
Inspector Comments: Concrete rubble with rebar should be removed.					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_4\_20150309\_00002.jpg



Looking southwest at concrete rubble with rebar on waterward slope.

LM Start	<b>1.19</b>	Rating **	M	Issue No.	<b>101</b>
LM End	<b>1.19</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.934058 °	37.934058 °
				-121.328188 °	-121.328188 °
DWR ID	DWR_RD0404_01_s_2012_101				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_101\_20150309\_00017.jpg



Looking southeast at overhanging trees on landside 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	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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.35</b>	Rating **	M	Issue No.	<b>100</b>
LM End	<b>1.35</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.931945 °	37.931945 °
				-121.327150 °	-121.327150 °
DWR ID	DWR_RD0404_01_s_2012_100				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.930450 °	37.930450 °
				-121.327450 °	-121.327450 °
DWR ID	DWR_RD0404_01_s_2015_32				
Action/Comments					
Inspector Comments: 06/19/2014: A series of scarp erosions have been found on the lower levee slope and at the levee toe. [2014 Site ID:RD0404U01RM42.02]					

Photo 1 of 2 : SP\_2015\_RD0404\_305\_32\_20150309\_00016.jpg



Close view of the erosion. Note the protection on the lower levee slope.

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD0404\_305\_32\_20150416\_00029.jpg



Looking northwest at erosion on waterward 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 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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.58</b>	Rating **	M	Issue No.	<b>111</b>
LM End	<b>1.58</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928718 °	37.928718 °
				-121.327206 °	-121.327206 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:12386 DS_ID:17956 EP_NO: 15562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: According to Bob Winter of KSN/LMA representative.					

No Photos

LM Start	<b>1.65</b>	Rating **	M	Issue No.	<b>112</b>
LM End	<b>1.65</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928090 °	37.928090 °
				-121.326215 °	-121.326215 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40487 DS_ID:18812 EP_NO: 10897 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut. FIELD_STRUCT_DESC: Abandoned 14-inch irrigation pipe. 3.0 feet below levee crown (Permit No. 10897). FS Date: 03/26/2013					

No Photos

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>1.67</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.927862 °	37.927862 °
				-121.325832 °	-121.325832 °
DWR ID	DWR_RD0404_01_s_2015_30				
Action/Comments					
Tree or limb Inspector Comments: Broken tree limb on waterward slope.					

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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.70</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>1.77</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.927517 °	37.926632 °	
			-121.325515 °	-121.324868 °	
DWR ID	DWR_RD0404_01_s_2015_29				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0404\_305\_29\_20150416\_00030.jpg



Looking east at untrimmed trees on waterward slope.

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>113</b>
LM End	<b>1.81</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.926168 °	37.926168 °	
			-121.324514 °	-121.324514 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40797 DS_ID:17961 EP_NO: 6560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged siphon breaker in pipe riser near the landward shoulder. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 7.0 feet below the crown, chain link fence around pump and motor on the waterward slope. (Permit. No. 6560) FS Date: 03/26/2013					

No Photos

LM Start	<b>2.01</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>2.01</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		°	°	
			°	°	
DWR ID	DWR_RD0404_01_f_2013_16				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Slope damage due to foot traffic.					

Photo 1 of 2 : SP\_2015\_RD0404\_305\_16\_20150309\_00010.jpg



Looking west at slope damage due to foot traffic.

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>2.01</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>2.01</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			°	°
DWR ID	DWR_RD0404_01_f_2013_16				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Slope damage due to foot traffic.					

Photo 2 of 2 : SP\_2015\_RD0404\_305\_16\_20150309\_00011.jpg



Looking southwest at slope damage due to foot traffic.

LM Start	<b>2.08</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>2.08</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			°	°
DWR ID	DWR_RD0404_01_f_2012_13				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>2.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.921458 °	37.921458 °
				-121.320502 °	-121.320502 °
DWR ID	DWR_RD0404_01_s_2015_28				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Landward slope erosion.					

Photo 1 of 2 : SP\_2015\_RD0404\_305\_28\_20150416\_00031.jpg



Looking east at erosion on landward slope.

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>2.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.921458 °	37.921458 °	
			-121.320502 °	-121.320502 °	
DWR ID	DWR_RD0404_01_s_2015_28				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Landward slope erosion.					

Photo 2 of 2 : SP\_2015\_RD0404\_305\_28\_20150416\_00032.jpg



Looking west at erosion on landward slope.

LM Start	<b>2.33</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>2.35</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Riprap Revetments		37.920488 °	37.920338 °	
			-121.318630 °	-121.318435 °	
DWR ID	DWR_RD0404_01_s_2013_23				
Action/Comments					
Inspector Comments: Remove rebar from existing concrete rip rap on waterward slope.					

Photo 1 of 2 : SP\_2015\_RD0404\_305\_23\_20150416\_00033.jpg



Looking west at concrete rip rap with repair. (Spring 2015)

LM Start	<b>2.33</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>2.35</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD0404\_305\_23\_20150309\_00015.jpg



Looking southwest at concrete rip rap with rebar.

<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**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles
Unit No. 02 French Camp Slough	Right	1.75

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

**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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.22</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>0.22</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.918197 °	37.918197 °	
			-121.315483 °	-121.315483 °	
DWR ID	DWR_RD0404_02_s_2015_16				
Action/Comments					
Garbage Inspector Comments: Garbage (sofa) on waterward slope.					

Photo 1 of 1 : SP\_2015\_RD0404\_306\_16\_20150416\_00014.jpg



Looking west at garbage (sofa) on waterward slope.

LM Start	<b>0.24</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>0.24</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments				
DWR ID	DWR_RD0404_02_f_2013_2				
Action/Comments					
Tree or limb Inspector Comments: Broken tree limb on waterward slope and shoulder.					

No Photos

LM Start	<b>0.35</b>	Rating **	A/W	Issue No.	<b>3</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.918935 °	37.919543 °	
			-121.313335 °	-121.311432 °	
DWR ID	DWR_RD0404_02_s_2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Grouting program.					

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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.48</b>	Rating **	A/W	Issue No.	<b>8</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.919525 °	37.919525 °
				-121.311193 °	-121.311193 °
DWR ID	DWR_RD0404_02_s_2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Grouting program.					

No Photos

LM Start	<b>0.51</b>	Rating **	A/W	Issue No.	<b>12</b>
LM End	<b>0.51</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.919528 °	37.919528 °
				-121.310635 °	-121.310635 °
DWR ID	DWR_RD0404_02_f_2012_12				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>0.73</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.919336 °	37.919336 °
				-121.306782 °	-121.306782 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10908 DS_ID:18781 EP_NO: 3340A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Not working for 5 years- Golf club staffWooden Walkway; Concrete stepsDamaged siphon breaker FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.0 feet below the crown. Pump on pile structure in stream. Shut-off valve and siphon breaker on the waterward shoulder. Timber walkway on the waterward slope. One CM cutoff wall. (Permit No. 3340A) FS Date: 03/27/2013					

No Photos

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>0.73</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.919308 °	37.919308 °
				-121.306714 °	-121.306714 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10945 DS_ID:18782 EP_NO: 4448 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete stairway on waterward slope- Not found. Pump was working during field survey. Siphon breaker cap missing. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 9.3 feet below the crown, pump on the landward side. Siphon breaker in concrete well on the waterward shoulder. Two CM cutoff walls. (Permit No. 4448) FS Date: 03/27/2013					

No Photos

LM Start	<b>0.82</b>	Rating **	A/W	Issue No.	<b>4</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918320 °	37.917162 °
				-121.305740 °	-121.305285 °
DWR ID	DWR_RD0404_02_s_2012_4				
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>67</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916337 °	37.916337 °
				-121.301888 °	-121.301888 °
DWR ID	DWR_RD0404_02_s_2012_67				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dense vegetation around propane tank inside fenced area.					

Photo 1 of 4 : SP\_2015\_RD0404\_306\_67\_20150309\_00006.jpg



Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916337 °	37.916337 °
				-121.301888 °	-121.301888 °
DWR ID	DWR_RD0404_02_s_2012_67				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dense vegetation around propane tank inside fenced area.					

Photo 2 of 4 : SP\_2015\_RD0404\_306\_67\_20150309\_00007.jpg



Looking north at dense vegetation on landward toe around propane tank.

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2015\_RD0404\_306\_67\_20150309\_00008.jpg



Looking northeast at dense vegetation on landward toe. (Spring 2013)

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2015\_RD0404\_306\_67\_20150309\_00009.jpg



Looking east at dense vegetation near pump station on landside toe.

<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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.13</b>	Rating **	A/W	Issue No.	<b>11</b>
LM End	<b>1.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.916347 °	37.916497 °
				-121.301887 °	-121.301095 °
DWR ID	DWR_RD0404_02_s_2012_11				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>1.14</b>	Rating **	U	Issue No.	<b>15</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916388 °	37.916388 °
				-121.301683 °	-121.301683 °
DWR ID	DWR_RD0404_02_s_2015_15				
Action/Comments					
Tree stumps. Inspector Comments: Remove dead stump.					

Photo 1 of 1 : SP\_2015\_RD0404\_306\_15\_20150416\_00015.jpg



Looking east at dead stump on landward toe.

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving				
DWR ID	DWR_RD0404_02_f_2013_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Landside erosion from equipment placement.					

Photo 1 of 1 : SP\_2015\_RD0404\_306\_13\_20150309\_00005.jpg



Looking southeast at dumpster and landside erosion on landward toe.

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.23</b>	Rating **	A/W	Issue No.	<b>64</b>
LM End	<b>1.23</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.917042 °	37.917042 °
				-121.300400 °	-121.300400 °
DWR ID	DWR_RD0404_02_s_2012_64				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes on waterside shoulder and slope. The District is grouting the holes.					

No Photos

LM Start	<b>1.36</b>	Rating **	A/W	Issue No.	<b>10</b>
LM End	<b>1.36</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918214 °	37.918214 °
				-121.298656 °	-121.298656 °
DWR ID	DWR_RD0404_02_f_2012_10				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Grouting rodent holes					

Photo 1 of 1 : SP\_2015\_RD0404\_306\_10\_20150309\_00004.jpg



Looking southeast at typical grouted rodent holes on landward slope.

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>1.52</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.918440 °	37.918517 °
				-121.296707 °	-121.295763 °
DWR ID	DWR_RD0404_02_s_2012_6				
Action/Comments					
Fence Inspector Comments: District or Landowner has removed fencing, but still need to remove fence poles.					

Photo 1 of 2 : SP\_2015\_RD0404\_306\_6\_20150309\_00002.jpg



Looking northeast at fence poles on landside shoulder.

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>1.52</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.918440 °	37.918517 °	
			-121.296707 °	-121.295763 °	
DWR ID	DWR_RD0404_02_s_2012_6				
Action/Comments					
Fence Inspector Comments: District or Landowner has removed fencing, but still need to remove fence poles.					

Photo 2 of 2 : SP\_2015\_RD0404\_306\_6\_20150309\_00003.jpg



Fence at landside shoulder from LM 1.47 to 1.52

LM Start	<b>1.51</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>1.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.918535 °	37.918535 °	
			-121.295980 °	-121.295980 °	
DWR ID	DWR_RD0404_02_s_2012_61				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.56</b>	Rating **	U	Issue No.	<b>70</b>
LM End	<b>1.56</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.918411 °	37.918411 °
				-121.295128 °	-121.295128 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:10853 DS_ID:18792 EP_NO: 3340 Repair Type: Urgent Crossing Status: Found UCIP Comments: Abandoned and capped 3-in GI pipe found on WS.  Damaged air-valve/siphon breaker found on LSully formed due to leaky pipe. A pump house found on LS but it needs to be verified by LMA whether this is associated with this crossing. FIELD_STRUCT_DESC: Abandoned and capped 3-inch GI pipe through levee, 1 feet below the crown; pile structure in stream. damaged siphon breaker at the toe of the landward slope. (Permit No. 3340) FS Date: 03/27/2013					

No Photos

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>1.75</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917324 °	37.917324 °
				-121.291882 °	-121.291882 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:41904 DS_ID:18793 EP_NO: 6623 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and install markers if appropriate to do so. FIELD_STRUCT_DESC: 5-inch steel gas line through the levee, 6.4 feet below the crown and across channel. One CM cutoff wall. Waterward slope rock revetted. Vent pipe located at waterward shoulder. (Permit No. 6623-1969) FS Date: 03/27/2013					

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 - Spring 2015**

**Reclamation District No. 0404 Boggs**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/14/2015 04/14/2015	Richard Willoughby

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>72</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10846 DS_ID:18804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS. Needs a sign post. Bob Winter from KSN (representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 1 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013					

No Photos

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:12426 DS_ID:18787 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS. Needs a sign post. Bob Winter from KSN (representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013					

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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