

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

RD0349 Reclamation District No. 0349 Sutter Island		Overall LMA Rating	Total LMA Miles						
		<b>U</b>	<b>12.41</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	21.27	4.64	39.83	321.03%	0.23				
Trim / Thin Trees	0.70	0.08	1.02	8.22%					
Encroachments	0.04	0.02	0.12	0.97%	0.57	0.79			
Slope Stability		0.06	0.24	1.93%					
Crown Surface / Depressions / Rutting	2.82		2.82	22.73%					
Emergency Supplies & Equipment	0.12		0.12	0.97%					
Flood Preparedness & Training	0.12		0.12	0.97%					
<i>Supplemental</i>									
USACE Erosion Survey	0.74	1.52	6.82	54.97%					
DWR UCIP Field Study					0.38	0.03			
<i>LMA Totals:</i>	25.82	6.32	51.10	411.86%	1.18	0.82	0.00	0.00	
<b>Unit No. 01 Sacramento River RB</b>		Overall Unit Rating	Total Unit Miles						
RD0349		<b>U</b>	<b>1.59</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	0.88	1.11	5.32	335.41%					
Trim / Thin Trees	0.54	0.05	0.74	46.65%					
Encroachments						0.01			
<i>Unit Totals:</i>	1.42	1.16	6.06	382.06%	0.00	0.01	0.00	0.00	
<b>Unit No. 02 Steamboat Slough RB</b>		Overall Unit Rating	Total Unit Miles						
RD0349		<b>U</b>	<b>4.32</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	7.66	2.45	17.46	404.27%	0.23				
Trim / Thin Trees	0.05	0.02	0.13	3.01%					
Encroachments	0.02	0.01	0.06	1.39%	0.10	0.54			
Slope Stability		0.06	0.24	5.56%					
<i>Supplemental</i>									
USACE Erosion Survey	0.74	1.52	6.82	157.91%					
DWR UCIP Field Study					0.15				
<i>Unit Totals:</i>	8.47	4.06	24.71	572.14%	0.48	0.54	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin (cont.)**

Unit No. 03 Sutter Slough LB RD0349	Overall Unit Rating	Total Unit Miles							
	<b>U</b>	<b>6.50</b>	Maintenance Deficiency				Enforcement		Design & System Obsolescence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	12.73	1.08	17.05	262.23%					
Trim / Thin Trees	0.11	0.01	0.15	2.31%					
Encroachments	0.02	0.01	0.06	0.92%	0.47	0.24			
Crown Surface / Depressions / Rutting	2.82		2.82	43.37%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.23	0.03			
<i>Unit Totals:</i>	15.68	1.10	20.08	308.83%	0.70	0.27	0.00	0.00	

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

**Reclamation District No. 0349 Sutter 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. 0349 Sutter Island**

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Right	1.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>
Date of Inspection	03/27/2014 - 03/27/2014		10/15/2014 - 10/16/2014
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/15/2014 10/16/2014	Herman Phillips

LM Start		Rating **	M	Issue No.	<b>3</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Action/Comments					
Inspector Comments: Was not able to see flood fight material storage location.					

No Photos

LM Start		Rating **	A	Issue No.	<b>4</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Action/Comments					
Inspector Comments: RD 349 has O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	<b>14</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0349_01_f_2014_14				
Action/Comments					
Inspector Comments: RD 349 does not have a crew, only landowners and farmers. Was not able to determine if they have been trained recently.					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/15/2014 10/16/2014	Herman Phillips

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>5</b>
LM End	<b>0.05</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.327037 °	38.326287 °	
			-121.576980 °	-121.577076 °	
DWR ID	DWR_RD0349_01_f_2014_5				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Growth completely blocks visibility of levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_204\_5\_20141103\_00003.jpg



Looking downstream from levee mile 0.00 waterside wild growth present on slope.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>2</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.327037 °	38.325390 °	
			-121.576978 °	-121.577402 °	
DWR ID	DWR_RD0349_01_f_2014_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This wild growth needs to be removed from the waterward levee shoulder and slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_204\_2\_20141016\_00002.jpg



Unwanted woody tree growth on waterside levee section, completely blocking view of the slope.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>1</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.327037 °	38.313367 °	
			-121.576978 °	-121.578807 °	
DWR ID	DWR_RD0349_01_f_2014_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tall weeds need to be removed from levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_204\_1\_20141016\_00001.jpg



Unit 1 levee mile 0.00 landside unwanted tall weeds 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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/15/2014 10/16/2014	Herman Phillips

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.325390 °	38.316528 °	
			-121.577402 °	-121.579155 °	
DWR ID	DWR_RD0349_01_f_2014_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.319438 °	38.318873 °	
			-121.578808 °	-121.578927 °	
DWR ID	DWR_RD0349_01_f_2014_7				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>0.76</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.316285 °	38.313367 °	
			-121.579173 °	-121.578807 °	
DWR ID	DWR_RD0349_01_f_2014_8				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/15/2014 10/16/2014	Herman Phillips

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>1.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.312595 °	38.309157 °	
			-121.578655 °	-121.576993 °	
DWR ID	DWR_RD0349_01_f_2014_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.05</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>1.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.312193 °	38.309145 °	
			-121.578522 °	-121.576985 °	
DWR ID	DWR_RD0349_01_f_2014_10				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>1.37</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>1.43</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.307923 °	38.307308 °	
			-121.576173 °	-121.575592 °	
DWR ID	DWR_RD0349_01_f_2014_11				
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  
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**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/15/2014 10/16/2014	Herman Phillips

LM Start	<b>1.55</b>	Rating **	<b>U</b>	Issue No.	<b>12</b>
LM End	<b>1.55</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.305722 °	38.305722 °	
			-121.574695 °	-121.574695 °	
DWR ID	DWR_RD0349_01_f_2014_12				
Action/Comments					
Retaining Wall Inspector Comments: This issue is under review with the CVFPB.					

Photo 1 of 1 : FA\_2014\_RD0349\_204\_12\_20141103\_00004.jpg



Looking downstream at levee mile 1.55 unauthorized block wall placed on landward levee section, no CVFPB Permit.

LM Start	<b>1.57</b>	Rating **	<b>U</b>	Issue No.	<b>13</b>
LM End	<b>1.59</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.305450 °	38.305162 °	
			-121.574687 °	-121.574750 °	
DWR ID	DWR_RD0349_01_f_2014_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This Arundo present on the waterward section is blocking the view of the levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_204\_13\_20141103\_00005.jpg



Unwanted Arundo has complete blocked view of waterward levee 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**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway		Bank	Unit Miles
Unit No. 02 Steamboat Slough		Right	4.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>
Date of Inspection	03/27/2014 - 03/27/2014		10/15/2014 - 10/15/2014
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>-0.01</b>	Rating **	U	Issue No.	<b>26</b>
LM End	<b>1.51</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2014_26				
Action/Comments					
Inspector Comments: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2013: No observed changes. [2013 Site ID: STM_24-7_R]					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_26\_20141008\_00011.jpg



USACE 2013 Photo #1

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305097 °	38.304780 °
				-121.574925 °	-121.576177 °
DWR ID	DWR_RD0349_02_s_2014_71				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>4</b>
LM End	<b>0.02</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304870 °	38.304870 °
				121.574730 °	121.574730 °
DWR ID	DWR_RD0349_02_s_2012_4				
Action/Comments					
Building Inspector Comments: This encroachment is along the waterward shoulder and was not authorized by the CVFPB. There are multiple encroachments at this site. Owner was working with CVFPB to get permits as of 11-2013. This issue is still pending as of 2014.					

Photo 1 of 3 : FA\_2014\_RD0349\_205\_4\_20141008\_00004.jpg



Unauthorized building waterside shoulder; Unit 2 Sutter Slough.

<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.304870 °	38.304870 °	
			121.574730 °	121.574730 °	
DWR ID	DWR_RD0349_02_s_2012_4				
Action/Comments					
Building Inspector Comments: This encroachment is along the waterward shoulder and was not authorized by the CVFPB. There are multiple encroachments at this site. Owner was working with CVFPB to get permits as of 11-2013. This issue is still pending as of 2014.					

Photo 2 of 3 : FA\_2014\_RD0349\_205\_4\_20141103\_00043.jpg



No change in the condition as of 11-2014.

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : FA\_2014\_RD0349\_205\_4\_20141008\_00005.jpg



Unauthorized fence adjacent to building waterside Sutter Slough.

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>61</b>
LM End	<b>0.10</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.305043 °	38.304635 °	
			-121.575128 °	-121.576385 °	
DWR ID	DWR_RD0349_02_f_2014_61				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This wild growth of grape vines blocks the view of the levee. The district or landowner needs to remove growth.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_61\_20141103\_00044.jpg



Unwanted wild grapes present on the landward levee 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 - Fall 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.305024 °	38.305024 °	
			-121.575155 °	-121.575155 °	
DWR ID	DWR_RD0349_02_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild growth of snap grasses form the landward levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_2\_20141103\_00045.jpg



Looking downstream from levee mile 0.00 tall weeds present on slope and toe landward.

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>0.09</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304900 °	38.304811 °	
			-121.575680 °	-121.575591 °	
DWR ID	DWR_RD0349_02_s_2013_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304720 °	38.304720 °	
			-121.576170 °	-121.576171 °	
DWR ID	DWR_RD0349_02_f_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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304606 °	38.304606 °
				-121.576323 °	-121.576323 °
DWR ID	DWR_RD0349_02_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:21577 EP_NO: 2480 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 landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box with gate valve at the landward toe. Service pole and anchor on the landward slope. (Permit No. 2480-1959) FS Date: 3/18/2009					

No Photos

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304606 °	38.304606 °
				-121.576323 °	-121.576323 °
DWR ID	DWR_RD0349_02_f_2014_25				
Action/Comments					
Inspector Comments: FS_ID:21576 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. 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. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box at the landward toe. Service pole and anchor on the landward slope. FS Date: 3/18/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.12</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.304443 °	38.304443 °	
			-121.576687 °	-121.576687 °	
DWR ID	DWR_RD0349_02_f_2013_6				
Action/Comments					
Debris					

No Photos

LM Start	<b>0.12</b>	Rating **	U	Issue No.	<b>72</b>
LM End	<b>0.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304462 °	38.304118 °	
			-121.576742 °	-121.577262 °	
DWR ID	DWR_RD0349_02_s_2014_72				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Unsatisfactory growth of wild grapes growing on levee slope, completely blocking view of landward levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_72\_20141112\_00050.jpg



Unwanted wild grapes growing on the levee shoulder and 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 - Fall 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304345 °	38.304345 °
				-121.576824 °	-121.576824 °
DWR ID	DWR_RD0349_02_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:21613 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 3-inch pipe through the levee, 3.3 feet below the crown. Gate valve on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.1). FS Date: 3/18/2009					

No Photos

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>3.52</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304260 °	38.262782 °
				-121.576962 °	-121.591812 °
DWR ID	DWR_RD0349_02_f_2014_62				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304244 °	38.304114 °	
			-121.577020 °	-121.577278 °	
DWR ID	DWR_RD0349_02_f_2013_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304215 °	38.304151 °	
			-121.577098 °	-121.577179 °	
DWR ID	DWR_RD0349_02_s_2012_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild grapes growing on the landward slope.					

No Photos

LM Start	<b>0.16</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>0.16</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.304117 °	38.304117 °	
			-121.577263 °	-121.577263 °	
DWR ID	DWR_RD0349_02_s_2014_73				
Action/Comments					
Material					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.25</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.303673 °	38.303303 °	
			-121.578065 °	-121.578695 °	
DWR ID	DWR_RD0349_02_s_2012_7				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.303640 °	38.302940 °	
			-121.578006 °	-121.579295 °	
DWR ID	DWR_RD0349_02_f_2012_34				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.28</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>0.28</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.303072 °	38.303072 °	
			-121.579066 °	-121.579066 °	
DWR ID	DWR_RD0349_02_f_2014_30				
Action/Comments					
Inspector Comments: FS_ID:21614 EP_NO: 12006 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Altered crossing--contact owner to obtain new permit authoring work. Debris remains on site. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.0 feet below the crown. 3-inch conduit through levee to service pump. Steel cutoff wall around pipe at center of levee. Siphon breaker in concrete riser at landward shoulder. Gate valve on landward side. Pump on concrete pad on waterward slope. Discharge structure at landward toe. (Permit No. 12006-1977) FS Date: 3/18/2009					

No Photos

LM Start	<b>0.29</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.301772 °	38.302358 °	
			-121.580093 °	-121.579707 °	
DWR ID	DWR_RD0349_02_f_2014_28				
Action/Comments					
Inspector Comments: 2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2013: No observed changes. [2013 Site ID: STM_25-8_R]					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_28\_20141008\_00013.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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.33</b>	Rating **	C	Issue No.	<b>11</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.302593 °	38.302593 °	
			-121.579807 °	-121.579807 °	
DWR ID	DWR_RD0349_02_f_2013_11				
Action/Comments					
Debris					

No Photos

LM Start	<b>0.34</b>	Rating **	U	Issue No.	<b>95</b>
LM End	<b>0.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.302358 °	38.302358 °	
			-121.579710 °	-121.579710 °	
DWR ID	DWR_RD0349_02_s_2014_95				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: These young trees need to be removed from the levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_95\_20141008\_00029.jpg



Unwanted wild growth of willow trees on landside slope and toe.

LM Start	<b>0.36</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>0.46</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.302201 °	38.300838 °	
			-121.580149 °	-121.580776 °	
DWR ID	DWR_RD0349_02_f_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild vegetation on landward slope need to be maintained.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_13\_20141008\_00006.jpg



Unwanted tall reed grasses out of control on the 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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.71</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.297573 °	38.289625 °	
			-121.582474 °	-121.584110 °	
DWR ID	DWR_RD0349_02_f_2013_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>0.73</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.297284 °	38.297284 °	
			-121.582418 °	-121.582418 °	
DWR ID	DWR_RD0349_02_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:21603 EP_NO: 14276 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Structure appears to be altered (no pump house or siphon breaker present)--need to contact owner. If pipe is no longer used need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. Also 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 1.0 foot below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker and protective housing at levee shoulder. Pump in pumphouse and service pole with anchor at landward toe. (Permit No. 14276-1986) FS Date: 3/18/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.297205 °	38.297205 °
				-121.582400 °	-121.582400 °
DWR ID	DWR_RD0349_02_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:21604 EP_NO: 12007 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer used will need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. 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. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Pump on concrete pad on waterward slope. Discharge structure at landward toe. (Permit No. 12007-1977) FS Date: 3/18/2009					

No Photos

LM Start	<b>0.82</b>	Rating **	C	Issue No.	<b>971</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.296011 °	38.296011 °
				-121.582736 °	-121.582736 °
DWR ID	DWR_RD0349_02_s_2012_971				
Action/Comments					
Equipment					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>0.83</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.296005 °	38.295862 °	
			-121.582838 °	-121.582900 °	
DWR ID	DWR_RD0349_02_s_2012_67				
Action/Comments					
Material					

No Photos

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295753 °	38.294985 °	
			-121.582838 °	-121.583147 °	
DWR ID	DWR_RD0349_02_s_2012_12				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>0.84</b>	Rating **	U	Issue No.	<b>77</b>
LM End	<b>0.96</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295708 °	38.294014 °	
			-121.582920 °	-121.583411 °	
DWR ID	DWR_RD0349_02_s_2014_77				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This brush piled on the landward slope needs to be burned or removed. The metals in the pile will not burn.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_77\_20141112\_00048.jpg



Unwanted tree clippings piled on the slope creating a burn site. There are metals present in this brush pile.

<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.86</b>	Rating **	U	Issue No.	<b>63</b>
LM End	<b>0.88</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295398 °	38.295188 °	
			-121.582973 °	-121.583040 °	
DWR ID	DWR_RD0349_02_f_2014_63				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove this arundo before it starts to spread.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_63\_20141112\_00049.jpg



Arundo present on the waterward levee section needs removing.

LM Start	<b>0.87</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.87</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.295352 °	38.295352 °	
			-121.583047 °	-121.583047 °	
DWR ID	DWR_RD0349_02_f_2013_17				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>0.98</b>	Rating **	U	Issue No.	<b>78</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.293620 °	38.293548 °	
			-121.583499 °	-121.583524 °	
DWR ID	DWR_RD0349_02_s_2014_78				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Unsatisfactory growth of bamboo on levee toe and slope. Unable to flood fight in the area.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_78\_20141008\_00020.jpg



Wild growth blocking view of the landside levee slope and 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	<b>+ Issue Type</b> N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain 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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.00</b>	Rating **	<b>U</b>	Issue No.	<b>79</b>
LM End	<b>1.06</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.293383 °	38.292592 °	
			-121.583570 °	-121.583861 °	
DWR ID	DWR_RD0349_02_s_2014_79				
Action/Comments					
Repair slope instability. Inspector Comments: The erosion was covered over by the piles of tree trimmings, now that they are being burned the erosion can be seen.					

Photo 1 of 2 : FA\_2014\_RD0349\_205\_79\_20141008\_00021.jpg



Another view of the erosion along the slope. The erosion was blocked from view by the burn pile.

LM Start	<b>1.00</b>	Rating **	<b>U</b>	Issue No.	<b>79 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>

Photo 2 of 2 : FA\_2014\_RD0349\_205\_79\_20141008\_00022.jpg



At this burn site the bank has some erosion occurring.

LM Start	<b>1.06</b>	Rating **	<b>M</b>	Issue No.	<b>9</b>
LM End	<b>1.07</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.292650 °	38.292493 °	
			-121.583830 °	-121.583872 °	
DWR ID	DWR_RD0349_02_s_2012_9				
Action/Comments					
Debris					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.07</b>	Rating **	M	Issue No.	<b>81</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292525 °	38.267185 °
				-121.583870 °	-121.588506 °
DWR ID	DWR_RD0349_02_s_2014_81				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>1.08</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292411 °	38.292411 °
				-121.583897 °	-121.583897 °
DWR ID	DWR_RD0349_02_f_2014_39				
Action/Comments					
Inspector Comments: FS_ID:21605 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 levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 12-inch pipe and electrical conduit through the levee, both 4.0 feet below the crown. Pump on pile structure in the stream with walkway. Hand primer pump in pumphouse and power pole at the landward toe. Concrete standpipes and distribution boxes with gates at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1). Pumphouse relocated and electrical conduit installed under Permit No. 5487 (1967). FS Date: 3/18/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.09</b>	Rating **	U	Issue No.	<b>64</b>
LM End	<b>1.31</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292297 °	38.289090 °	
			-121.583972 °	-121.584080 °	
DWR ID	DWR_RD0349_02_f_2014_64				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: View of levee slope has been blocked by the wild growth of snap grasses.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_64\_20141112\_00051.jpg



At this location snap grasses have completely blocked the view of the landward levee slope.

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>1.10</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.292080 °	38.292080 °	
			-121.584026 °	-121.584026 °	
DWR ID	DWR_RD0349_02_s_2013_33				
Action/Comments					
Garbage					

No Photos

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292080 °	38.292080 °	
			-121.584026 °	-121.584026 °	
DWR ID	DWR_RD0349_02_s_2013_44				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.14</b>	Rating **	U	Issue No.	<b>82</b>
LM End	<b>1.34</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.291501 °	38.288734 °	
			-121.584165 °	-121.584013 °	
DWR ID	DWR_RD0349_02_s_2014_82				
Action/Comments					
Prunings Inspector Comments: This issue of tree clippings has not been burned or removed from the waterward levee section. No change since last inspection.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_82\_20141008\_00023.jpg



Tree trimmings at water's edge blocking view of bank. No new photo was taken of this issue. No change since last inspection.

LM Start	<b>1.33</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>1.34</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.288913 °	38.288745 °	
			-121.583933 °	-121.583938 °	
DWR ID	DWR_RD0349_02_s_2012_18				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>1.34</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.288744 °	38.288742 °	
			-121.584069 °	-121.584069 °	
DWR ID	DWR_RD0349_02_f_2013_24				
Action/Comments					
Debris					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.34</b>	Rating **	U	Issue No.	<b>83</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.288735 °	38.288731 °	
			-121.584013 °	-121.584011 °	
DWR ID	DWR_RD0349_02_s_2014_83				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody growth; unable to see ground nor do a flood fight.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_83\_20141008\_00024.jpg



Woody tree growth blocks view of landside levee section.

LM Start	<b>1.39</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>1.39</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.287925 °	38.287925 °	
			-121.584063 °	-121.584063 °	
DWR ID	DWR_RD0349_02_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:21606 EP_NO: 6274 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears to have been altered--recommend coordinating with owner to determine records for crossing. Will need permit issued for pipe install. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 3.0 feet below the crown. Cutoff wall around pipe at waterward shoulder. Siphon breaker at landward shoulder. Air vent and pressure breaker on waterward slope. Slant pump on the waterward slope. Concrete distribution box at landward toe. (Permit No. 6274-1974) FS Date: 3/18/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>1.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286819 °	38.285260 °	
			-121.585152 °	-121.587501 °	
DWR ID	DWR_RD0349_02_f_2013_37				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>86</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286720 °	38.285706 °	
			-121.585194 °	-121.586872 °	
DWR ID	DWR_RD0349_02_s_2014_86				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.63</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>1.63</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.285573 °	38.285573 °	
			-121.586986 °	-121.586986 °	
DWR ID	DWR_RD0349_02_f_2014_42				
Action/Comments					
Inspector Comments: FS_ID:21607 EP_NO: 1116 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 landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Two concrete cutoff walls under each shoulder. Pressure breaker in concrete riser at levee shoulder. Pump on waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.7). Pipe reconstructed under Permit No. 1116 (1974). FS Date: 3/18/2009					

No Photos

LM Start	<b>1.84</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>1.84</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.283238 °	38.283238 °	
			-121.589337 °	-121.589337 °	
DWR ID	DWR_RD0349_02_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:21608 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.9 feet below the crown. Siphon breaker in concrete riser on the landward shoulder. Pump and gate valve in pumphouse on the waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.9). FS Date: 3/18/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.93</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.281970 °	38.281587 °	
			-121.589607 °	-121.589658 °	
DWR ID	DWR_RD0349_02_f_2014_65				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.279017 °	38.278597 °	
			-121.589615 °	-121.589854 °	
DWR ID	DWR_RD0349_02_f_2014_21				
Action/Comments					
Inspector Comments: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013: Short vertical sections observed at upstream end. [2013 Site ID: STM_23-9_R]					

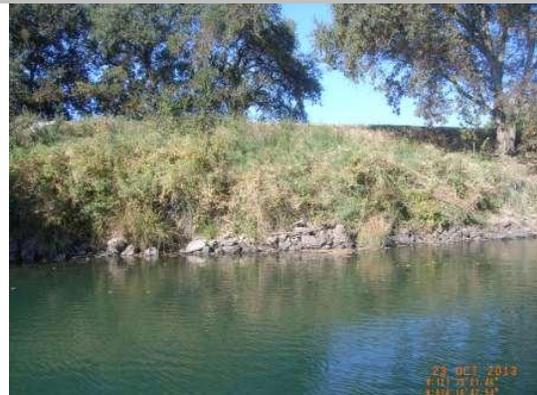
Photo 1 of 1 : FA\_2014\_RD0349\_205\_21\_20141008\_00009.jpg



USACE 2013 Photo #1

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.280069 °	38.279919 °	
			-121.589443 °	-121.589438 °	
DWR ID	DWR_RD0349_02_f_2014_23				
Action/Comments					
Inspector Comments: 2011 - Small scallop caused by erosion and wave wash. 2013: No observed changes. [2013 Site ID: STM_24-1_R]					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_23\_20141008\_00010.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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.16</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>2.16</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278682 °	38.278682 °
				-121.590104 °	-121.590104 °
DWR ID	DWR_RD0349_02_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:21609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris scattered--need to contact owner. If crossing is not in used will need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe sleeved through 12-inch pipe through the levee, 4.0 feet below the crown. Annular gap not grouted. Service pole on the waterward shoulder. Pump on the waterward side. Concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.3). FS Date: 3/18/2009					

No Photos

LM Start	<b>2.20</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>2.41</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278187 °	38.275359 °
				-121.590437 °	-121.591171 °
DWR ID	DWR_RD0349_02_f_2013_38				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.37</b>	Rating **	<b>U</b>	Issue No.	<b>88</b>
LM End	<b>2.39</b>	Issue Type +	<b>Ma</b>	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275784 °	38.275690 °	
			-121.591359 °	-121.591322 °	
DWR ID	DWR_RD0349_02_s_2014_88				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the bamboo from the landward levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_88\_20141104\_00046.jpg



Levee slope and toe covered with arundo and horse tail.

LM Start	<b>2.39</b>	Rating **	<b>U</b>	Issue No.	<b>94</b>
LM End	<b>2.41</b>	Issue Type +	<b>Ma</b>	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275585 °	38.275275 °	
			-121.591327 °	-121.591035 °	
DWR ID	DWR_RD0349_02_s_2014_94				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_94\_20141104\_00047.jpg



Woody tree growth and vines present on the landward 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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.40</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>2.40</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275493 °	38.275493 °
				-121.591208 °	-121.591208 °
DWR ID	DWR_RD0349_02_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:39873 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limit 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. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure on waterward side, walkway to pump. Concrete distribution box and power pole with anchor at landward toe. Concrete standpipe on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.5). FS Date: 3/18/2009					

No Photos

LM Start	<b>2.41</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>2.44</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275492 °	38.275092 °
				-121.591268 °	-121.590910 °
DWR ID	DWR_RD0349_02_s_2012_31				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.43</b>	Rating **	U	Issue No.	<b>1</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.275403 °	38.275403 °	
			-121.591229 °	-121.591229 °	
DWR ID	DWR_RD0349_02_f_2013_1				
Action/Comments					
Stairway Inspector Comments: The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope. No new photo taken of this issue fall 2014.					

Photo 1 of 2 : FA\_2014\_RD0349\_205\_1\_20141008\_00001.jpg



Unsatisfactory steps placed on waterward slope and toe.

LM Start	<b>2.43</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_RD0349\_205\_1\_20141008\_00002.jpg



Unauthorized boat dock at end of steps.

LM Start	<b>2.46</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.273854 °	38.271998 °	
			-121.588745 °	-121.589424 °	
DWR ID	DWR_RD0349_02_f_2014_19				
Action/Comments					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2013: No observed changes. [2013 Site ID: STM_23-6_R]					

Photo 1 of 2 : FA\_2014\_RD0349\_205\_19\_20141008\_00007.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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.46</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_f_2014_19				
Action/Comments					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2013: No observed changes. [2013 Site ID: STM_23-6_R]					

Photo 2 of 2 : FA\_2014\_RD0349\_205\_19\_20141008\_00008.jpg



USACE 2013 Photo #2

LM Start	<b>2.52</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>2.71</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274376 °	38.272052 °
				-121.589604 °	-121.589683 °
DWR ID	DWR_RD0349_02_s_2014_89				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>2.70</b>	Rating **	C	Issue No.	<b>49</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.271928 °	38.271928 °
				-121.589758 °	-121.589758 °
DWR ID	DWR_RD0349_02_f_2013_49				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.89</b>	Rating **	U	Issue No.	<b>91</b>
LM End	<b>2.90</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.269510 °	38.269276 °	
			-121.589801 °	-121.589730 °	
DWR ID	DWR_RD0349_02_s_2014_91				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control the wild growth of wild roses and snap grasses on the landside levee slope and toe.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_91\_20141112\_00052.jpg



Unsatisfactory wild growth wild weeds and wild roses present on the landward levee section.

LM Start	<b>2.90</b>	Rating **	U	Issue No.	<b>92</b>
LM End	<b>3.00</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.269276 °	38.268013 °	
			-121.589729 °	-121.588948 °	
DWR ID	DWR_RD0349_02_s_2014_92				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: Unable to see levee slope due to woody tree growth.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_92\_20141008\_00027.jpg



Woody tree growth blocking view of landward levee section.

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>93</b>
LM End	<b>3.08</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.268013 °	38.266893 °	
			-121.588947 °	-121.588425 °	
DWR ID	DWR_RD0349_02_s_2014_93				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.02</b>	Rating **	U	Issue No.	<b>66</b>
LM End	<b>3.46</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.267767 °	38.262698 °	
			-121.588832 °	-121.590782 °	
DWR ID	DWR_RD0349_02_f_2014_66				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild young willow trees on the waterward shoulder and slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_66\_20141112\_00053.jpg



Wild weeds present on the waterside shoulder and slope.

LM Start	<b>3.03</b>	Rating **	U	Issue No.	<b>53</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.267663 °	38.267418 °	
			-121.588779 °	-121.588660 °	
DWR ID	DWR_RD0349_02_s_2013_53				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody tree growth need removing from landward levee section, unable to see the slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_53\_20141112\_00054.jpg



Woody tree growth on the landward shoulder and slope unable to see levee section.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.267535 °	38.267530 °	
			-121.588660 °	-121.588660 °	
DWR ID	DWR_RD0349_02_f_2012_40				
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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>3.04</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267453 °	38.267453 °
				-121.588668 °	-121.588668 °
DWR ID	DWR_RD0349_02_f_2014_52				
Action/Comments					
<p>Inspector Comments: FS_ID:21611 EP_NO: 5350 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Debris scattered on slopes--remove. 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. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch steel pipe and 2-inch iron electrical conduit through the levee, both 3.7 feet below the crown. Siphon breaker in protective housing on waterward slope. Pump and switch panel on concrete blocks on the waterward slope. Service pole on landward slope. (Permit No. 5350-1966) FS Date: 3/18/2009</p>					

No Photos

LM Start	<b>3.05</b>	Rating **	M	Issue No.	<b>54</b>
LM End	<b>3.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.267391 °	38.267391 °
				-121.588655 °	-121.588655 °
DWR ID	DWR_RD0349_02_s_2013_54				
Action/Comments					
<p>Remove the wild growth other than native grasses from the levee slopes.</p>					

No Photos

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.09</b>	Rating **	U	Issue No.	<b>47</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.266800 °	38.254764 °	
			-121.588479 °	-121.599671 °	
DWR ID	DWR_RD0349_02_f_2013_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_47\_20141008\_00014.jpg



Woody tree growth completely blocking view of landward levee slope.

LM Start	<b>3.25</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.262510 °	38.262533 °	
			-121.589481 °	-121.591690 °	
DWR ID	DWR_RD0349_02_f_2014_3				
Action/Comments					
Inspector Comments: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2013: No observed changes. [2013 Site ID: STM_22-8_R]					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_3\_20141008\_00003.jpg



USACE 2013 Photo #1

LM Start	<b>3.52</b>	Rating **	A/W	Issue No.	<b>55</b>
LM End	<b>3.58</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.262779 °	38.262705 °	
			-121.591783 °	-121.592975 °	
DWR ID	DWR_RD0349_02_s_2013_55				
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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.63</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.262430 °	38.254765 °	
			-121.593805 °	-121.599672 °	
DWR ID	DWR_RD0349_02_f_2013_56				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>3.72</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.262322 °	38.261483 °	
			-121.593935 °	-121.594867 °	
DWR ID	DWR_RD0349_02_s_2012_43				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>3.66</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>3.67</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.262153 °	38.262082 °	
			-121.594315 °	-121.594386 °	
DWR ID	DWR_RD0349_02_f_2013_58				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.73</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>3.74</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.261403 °	38.261330 °	
			-121.594932 °	-121.595022 °	
DWR ID	DWR_RD0349_02_s_2012_45				
Action/Comments					
Landscaping					

No Photos

LM Start	<b>3.75</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>3.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.261111 °	38.261001 °	
			-121.595062 °	-121.595052 °	
DWR ID	DWR_RD0349_02_s_2012_22				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>3.76</b>	Rating **	U	Issue No.	<b>59</b>
LM End	<b>3.91</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.260639 °	38.595175 °	
			-121.595276 °	-121.595175 °	
DWR ID	DWR_RD0349_02_f_2013_59				
Action/Comments					
Fence Inspector Comments: Inside the fenced off area are several pet shelters and pens for chickens and goats on the landside levee slope and toe.					

Photo 1 of 2 : FA\_2014\_RD0349\_205\_59\_20141112\_00055.jpg



Unpermitted fences and animal storage pens on the landward slope and 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 - Fall 2014**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.76</b>	Rating **	<b>U</b>	Issue No.	<b>59 (cont)</b>
LM End	<b>3.91</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.260639 °	38.595175 °	
			-121.595276 °	-121.595175 °	
DWR ID	DWR_RD0349_02_f_2013_59				
Action/Comments					
Fence Inspector Comments: Inside the fenced off area are several pet shelters and pens for chickens and goats on the landside levee slope and toe.					

Photo 2 of 2 : FA\_2014\_RD0349\_205\_59\_20141008\_00016.jpg



Unpermitted fence on landside shoulder and slope of levee section.

LM Start	<b>3.77</b>	Rating **	<b>U</b>	Issue No.	<b>69</b>
LM End	<b>3.95</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.260718 °	38.258162 °	
			-121.595245 °	-121.595175 °	
DWR ID	DWR_RD0349_02_f_2014_69				
Action/Comments					
Fence Inspector Comments: This electric fence has not been authorized.					

Photo 1 of 1 : FA\_2014\_RD0349\_205\_69\_20141112\_00056.jpg



Unauthorized electric wire fence placed on the landside shoulder and slope.

LM Start	<b>3.80</b>	Rating **	<b>M</b>	Issue No.	<b>16</b>
LM End	<b>3.84</b>	Issue Type +	<b>En</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.259984 °	38.259405 °	
			-121.595228 °	-121.555187 °	
DWR ID	DWR_RD0349_02_s_2012_16				
Action/Comments					
Fence					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.83</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>3.83</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260007 °	38.260007 °
				-121.595273 °	-121.595273 °
DWR ID	DWR_RD0349_02_f_2014_57				
Action/Comments					
Inspector Comments: FS_ID:21612 EP_NO: 8188 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 landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe and 1.25-inch electrical conduit through the levee, both 5.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on shoulder. Pump and pumphouse on the waterward side. Service pole, discharge box and concrete standpipe at landward toe. (Permit No. 8188-1973) FS Date: 3/18/2009					

No Photos

LM Start	<b>4.12</b>	Rating **	M	Issue No.	<b>74</b>
LM End	<b>4.12</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.256053 °	38.256053 °
				-121.596330 °	-121.596330 °
DWR ID	DWR_RD0349_02_f_2014_74				
Action/Comments					
Debris Inspector Comments: Garbage and exercise equipment dumped on waterside 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**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway		Bank	Unit Miles
Unit No. 03 Sutter Slough		Left	6.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall
Unit Maintenance Rating (Fall Only)			<b>U</b>
Date of Inspection	03/27/2014 - 03/27/2014		10/15/2014 - 10/15/2014
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255094 °	38.255108 °	
			-121.600101 °	-121.600095 °	
DWR ID	DWR_RD0349_03_s_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_1\_20141112\_00035.jpg



Looking downstream from levee mile 0.00 waterside.

LM Start	<b>0.03</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255206 °	38.255206 °	
			-121.600080 °	-121.600080 °	
DWR ID	DWR_RD0349_03_f_2013_6				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Looking downstream landward tall dead weeds need to be controlled.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_6\_20141112\_00033.jpg



Unit 3 looking downstream from the landside slope levee mile 0.00 tall dead weeds on the slope and toe.

LM Start	<b>0.08</b>	Rating **	U	Issue No.	<b>7</b>
LM End	<b>0.19</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255926 °	38.257581 °	
			-121.599950 °	-121.599783 °	
DWR ID	DWR_RD0349_03_f_2013_7				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: Remove the unwanted growth from landward levee section.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_7\_20141112\_00034.jpg



Woody tree growth on landward slope and wild berries on landward 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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.09</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>1.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.256120 °	38.271680 °	
			-121.599902 °	-121.603425 °	
DWR ID	DWR_RD0349_03_f_2014_56				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>0.09</b>	Rating **	M	Issue No.	<b>55</b>
LM End	<b>2.78</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.256120 °	38.292528 °	
			-121.599902 °	-121.603778 °	
DWR ID	DWR_RD0349_03_f_2014_55				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.18</b>	Rating **	U	Issue No.	<b>57</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.257552 °	38.258358 °	
			-121.599772 °	-121.599855 °	
DWR ID	DWR_RD0349_03_f_2014_57				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild growth from the levee slope landward.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_57\_20141112\_00036.jpg



Unwanted tree growth on the landward slope and 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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.25</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>1.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.258358 °	38.271557 °	
			-121.599855 °	-121.603415 °	
DWR ID	DWR_RD0349_03_f_2014_58				
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>59</b>
LM End	<b>0.30</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.259081 °	38.259081 °	
			-121.600046 °	-121.600046 °	
DWR ID	DWR_RD0349_03_s_2014_59				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.259718 °	38.259718 °	
			-121.600240 °	-121.600240 °	
DWR ID	DWR_RD0349_03_f_2013_9				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>1.20</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.259717 °	38.271625 °	
			-121.600292 °	-121.603405 °	
DWR ID	DWR_RD0349_03_f_2014_66				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.43</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.260847 °	38.264618 °	
			-121.600556 °	-121.601338 °	
DWR ID	DWR_RD0349_03_s_2013_2				
Action/Comments					
Fence					

No Photos

LM Start	<b>0.48</b>	Rating **	U	Issue No.	<b>60</b>
LM End	<b>0.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.261763 °	38.264650 °	
			-121.600695 °	-121.601304 °	
DWR ID	DWR_RD0349_03_s_2014_60				
Action/Comments					
Fence Inspector Comments: There is no permit for this electric fence on the landside levee section. It should be removed.					

Photo 1 of 2 : FA\_2014\_RD0349\_206\_60\_20141008\_00006.jpg



View of fence along the levee slope from shoulder to levee toe running along downstream. Spring 2014

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.48</b>	Rating **	U	Issue No.	<b>60 (cont)</b>
LM End	<b>0.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.261763 °	38.264650 °	
			-121.600695 °	-121.601304 °	
DWR ID	DWR_RD0349_03_s_2014_60				
Action/Comments					
Fence Inspector Comments: There is no permit for this electric fence on the landside levee section. It should be removed.					

Photo 2 of 2 : FA\_2014\_RD0349\_206\_60\_20141112\_00037.jpg



Unauthorized electric wire fence at this location. Fall 2014

LM Start	<b>0.48</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.48</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.261731 °	38.261731 °	
			-121.600669 °	-121.600669 °	
DWR ID	DWR_RD0349_03_f_2013_10				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.262649 °	38.264661 °	
			-121.600787 °	-121.601335 °	
DWR ID	DWR_RD0349_03_f_2013_12				
Action/Comments					
Fence					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.62</b>	Rating **	N	Issue No.	<b>5</b>
LM End	<b>0.62</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.263622 °	38.263622 °	
			-121.601080 °	-121.601080 °	
DWR ID	DWR_RD0349_03_s_2012_5				
Action/Comments					
Tree stumps.					

No Photos

LM Start	<b>0.63</b>	Rating **	N	Issue No.	<b>3</b>
LM End	<b>0.63</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.263757 °	38.263757 °	
			-121.601070 °	-121.601070 °	
DWR ID	DWR_RD0349_03_s_2012_3				
Action/Comments					
Tree stumps.					

No Photos

LM Start	<b>0.69</b>	Rating **	C	Issue No.	<b>67</b>
LM End	<b>0.80</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.264678 °	38.266098 °	
			-121.601358 °	-121.601825 °	
DWR ID	DWR_RD0349_03_f_2014_67				
Action/Comments					
Fence					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.265329 °	38.265643 °	
			-121.601551 °	-121.601614 °	
DWR ID	DWR_RD0349_03_s_2013_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>0.77</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.265683 °	38.265944 °	
			-121.601637 °	-121.601734 °	
DWR ID	DWR_RD0349_03_f_2012_18				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.77</b>	Rating **	U	Issue No.	<b>4</b>
LM End	<b>0.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265705 °	38.265705 °
				-121.601644 °	-121.601644 °
DWR ID	DWR_RD0349_03_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:21624 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Need to find owner and notify of pipe deterioration. Owner will need to replace or remove per CVFPB Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 2.4 feet below the crown. Pump and gate valve in a pumphouse at the landward toe. Concrete standpipe on landward side. FS Date: 3/19/2009					

No Photos

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266223 °	38.266958 °
				-121.601825 °	-121.602112 °
DWR ID	DWR_RD0349_03_f_2014_70				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>0.91</b>	Rating **	C	Issue No.	<b>61</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.267656 °	38.267656 °	
			-121.602449 °	-121.602449 °	
DWR ID	DWR_RD0349_03_s_2014_61				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>0.95</b>	Rating **	C	Issue No.	<b>20</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.268166 °	38.268166 °	
			-121.602799 °	-121.602799 °	
DWR ID	DWR_RD0349_03_f_2013_20				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	<b>0.97</b>	Rating **	U	Issue No.	<b>971</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.268393 °	38.268393 °	
			-121.602911 °	-121.602911 °	
DWR ID	DWR_RD0349_03_s_2012_971				
Action/Comments					
Tree or limb Inspector Comments: Remove dead tree from the landside levee slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_971\_20141112\_00040.jpg



Woody tree growth on landward 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	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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.09</b>	Rating **	A/W	Issue No.	<b>62</b>
LM End	<b>1.17</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.270098 °	38.271254 °	
			-121.603562 °	-121.603463 °	
DWR ID	DWR_RD0349_03_s_2014_62				
Action/Comments					
Trees / Woody Vegetation					

No Photos

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.272532 °	38.272532 °	
			-121.603039 °	-121.603039 °	
DWR ID	DWR_RD0349_03_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:21675 EP_NO: 11744 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe and 2-inch electric conduit through the levee, both 4.4 feet below the crown. Reduced to 12-inch steel pipe under both levee slopes. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Slant pump on waterward side with staircase access. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976) FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.28</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.28</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.272692 °	38.272692 °	
			-121.602917 °	-121.602917 °	
DWR ID	DWR_RD0349_03_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:21677 EP_NO: 11744 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 2 of 2: 8-inch pipe through the levee, 3.7 feet below the crown. 8-inch pipe is reduced to 3-inch pipe on waterward side. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Siphon breaker at landward shoulder. Slant pump on waterward side. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976) FS Date: 3/19/2009					

No Photos

LM Start	<b>1.32</b>	Rating **	N	Issue No.	<b>63</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.273235 °	38.273235 °	
			-121.602631 °	-121.602631 °	
DWR ID	DWR_RD0349_03_s_2014_63				
Action/Comments					
Tree stumps.					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.40</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>2.00</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.274235 °	38.282608 °	
			-121.601930 °	-121.601852 °	
DWR ID	DWR_RD0349_03_s_2013_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>1.48</b>	Rating **	U	Issue No.	<b>64</b>
LM End	<b>1.48</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.275332 °	38.275332 °	
			-121.601359 °	-121.601359 °	
DWR ID	DWR_RD0349_03_s_2014_64				
Action/Comments					
Tree or limb Inspector Comments: Cut up tree on waterward slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_64\_20141008\_00009.jpg



Cut up fallen tree on 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 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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>1.50</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID	DWR_RD0349_03_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:21632 EP_NO: 2954 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 3 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Metal cutoff wall around pipe at landward shoulder. Siphon breakers on waterward slope. Two anchor posts driven into levee on each side of pipe. Pumps on platform on landward side. (Permit No. 2954-1959) FS Date: 3/19/2009					

No Photos

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.50</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID	DWR_RD0349_03_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:21630 EP_NO: 2954 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 1 of 3: 18-inch pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterward slope. Pumps on platform on landward side. FS Date: 3/19/2009					

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
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	1.50	Rating **	M	Issue No.	28
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID	DWR_RD0349_03_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:21631 EP_NO: 2954 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 2 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterward slope. Pumps on platform on landward side. FS Date: 3/19/2009					

No Photos

LM Start	1.83	Rating **	M	Issue No.	29
LM End	1.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.280195 °	38.280195 °
				-121.600550 °	-121.600550 °
DWR ID	DWR_RD0349_03_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:21633 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 levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 2 of 2: 12-inch pipe and 2-inch electrical conduit through the levee, both 8.0 feet below the crown. Siphon breaker in pipe riser on landward slope. Concrete standpipe at landward toe. Pump on waterward side with stairway access. FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.01</b>	Rating **	U	Issue No.	<b>71</b>
LM End	<b>2.78</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.282502 °	38.292528 °	
			-121.601745 °	-121.603778 °	
DWR ID	DWR_RD0349_03_f_2014_71				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the tall snap grasses from the landward slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_71\_20141112\_00038.jpg



Unsatisfactory tall snap grasses on the landward levee section. Weeds are taller than 24-inches.

LM Start	<b>2.01</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>2.01</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.282498 °	38.282498 °	
			-121.601758 °	-121.601758 °	
DWR ID	DWR_RD0349_03_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:21634 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 levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 6.7 feet below the crown. Pump in pumphouse and concrete standpipe at the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.1). FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.30</b>	Rating **	U	Issue No.	<b>65</b>
LM End	<b>2.41</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.285881 °	38.287382 °	
			-121.604852 °	-121.603861 °	
DWR ID	DWR_RD0349_03_s_2014_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The tall grasses need to be removed from the levee slope waterward.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_65\_20141112\_00041.jpg



Wild growth of tall grasses on the waterward levee slope.

LM Start	<b>2.41</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>2.41</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.287430 °	38.287430 °	
			-121.604210 °	-121.604210 °	
DWR ID	DWR_RD0349_03_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:21636 EP_NO: 1772 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe and 3-inch electrical conduit through the levee, 7.7 and 6.7 feet below the crown, respectively. Siphon breaker on landward shoulder. Pump on pile structure in stream, walkway to pump. Surge tank, distribution box, and outlet pump at landward toe in fenced area. Pipe reduced to 10-inch at landward shoulder under slope. (Permit No. 1772-1953) FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.59</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>2.59</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289760 °	38.289760 °
				-121.603280 °	-121.603280 °
DWR ID	DWR_RD0349_03_f_2014_34				
Action/Comments					
<p>Inspector Comments: FS_ID:21678                      EP_NO: N/A                      Repair Type: Non-Urgent                      Crossing Status: Found                      UCIP Comments: Need to contact owner--If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.                      FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 8.2 feet below the crown. Pipe has plate welded on the waterward end. 3-inch galvanized pipe runs parallel to 10-inch pipe. Abandoned tank on waterward slope. Distribution box and concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (HLM 2.7).                      FS Date: 3/19/2009</p>					

No Photos

LM Start	<b>2.78</b>	Rating **	U	Issue No.	<b>35</b>
LM End	<b>2.78</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292421 °	38.292421 °
				-121.603698 °	-121.603698 °
DWR ID	DWR_RD0349_03_f_2014_35				
Action/Comments					
<p>Inspector Comments: FS_ID:21679                      EP_NO: N/A                      Repair Type: Urgent                      Crossing Status: Found                      UCIP Comments: 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.                      FIELD_STRUCT_DESC: Abandoned 8-inch pipe through the levee, 8.7 feet below the crown. Headwall and gate valve on the landward side.                      FS Date: 3/19/2009</p>					

No Photos

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>2.90</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>2.90</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.294140 °	38.294140 °
				-121.604268 °	-121.604268 °
DWR ID	DWR_RD0349_03_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:21641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 3.7 feet below the crown. Pump and gate valve on the waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.9). FS Date: 3/19/2009					

No Photos

LM Start	<b>3.20</b>	Rating **	U	Issue No.	<b>73</b>
LM End	<b>3.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.298223 °	38.298223 °
				-121.603240 °	-121.603240 °
DWR ID	DWR_RD0349_03_f_2014_73				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: This tree on the landside slope is rotten and could possibly fall across levee section.					

Photo 1 of 2 : FA\_2014\_RD0349\_206\_73\_20141112\_00042.jpg



Dead tree above crown roadway landward.

<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.20</b>	Rating **	U	Issue No.	<b>73 (cont)</b>
LM End	<b>3.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.298223 °	38.298223 °
				-121.603240 °	-121.603240 °
DWR ID	DWR_RD0349_03_f_2014_73				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: This tree on the landside slope is rotten and could possibly fall across levee section.					

Photo 2 of 2 : FA\_2014\_RD0349\_206\_73\_20141112\_00043.jpg



Close up view of dead tree standing above crown roadway.

LM Start	<b>3.23</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>3.23</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298645 °	38.298645 °
				-121.602782 °	-121.602782 °
DWR ID	DWR_RD0349_03_s_2014_68				
Action/Comments					
Tree or limb Inspector Comments: Dead tree on landward toe.					

No Photos

LM Start	<b>3.30</b>	Rating **	U	Issue No.	<b>69</b>
LM End	<b>3.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299140 °	38.299140 °
				-121.601992 °	-121.601992 °
DWR ID	DWR_RD0349_03_s_2014_69				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: Remove the thick growth of fig trees at landward toe and slope.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_69\_20141112\_00044.jpg



Woody tree growth on the landward slope and toe of the 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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>3.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305300 °	38.305300 °
				-121.598620 °	-121.598620 °
DWR ID	DWR_RD0349_03_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:21644 EP_NO: 9290 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. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch steel electrical conduit through the levee, both 4.0 feet below the crown. Steel cutoff wall around pipe and conduit at center of levee. Pump and gate valve on waterward slope. 6-inch intake pipe extends from pump into channel. Distribution system at landward toe. (Permit No. 9290-1975) FS Date: 3/19/2009					

No Photos

LM Start	<b>3.98</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>3.98</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307435 °	38.307435 °
				-121.596871 °	-121.596871 °
DWR ID	DWR_RD0349_03_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:39869 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not 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. FIELD_STRUCT_DESC: Abandoned 7-inch pipe through the levee, 2.0 feet below the crown. FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>3.99</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>3.99</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307530 °	38.307530 °
				-121.596800 °	-121.596800 °
DWR ID	DWR_RD0349_03_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:21645 EP_NO: 15503 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe 24-inches landward of levee center. Pump and gate valve in pumphouse at the landward toe. Pipe is exposed along waterward slope. (Permit No. 15503-1990) FS Date: 3/19/2009					

No Photos

LM Start	<b>3.99</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>3.99</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307530 °	38.307530 °
				-121.596800 °	-121.596800 °
DWR ID	DWR_RD0349_03_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:39870 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not 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. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.5 feet below the crown. Pump and gate valve in pumphouse at the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.2). Removed and replaced with 10-inch pipe under Permit No. 15503 (1990). FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>4.03</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>5.84</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.308073 °	38.329031 °	
			-121.597079 °	-121.585235 °	
DWR ID	DWR_RD0349_03_s_2012_27				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	<b>4.07</b>	Rating **	U	Issue No.	<b>25</b>
LM End	<b>4.07</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.307997 °	38.307997 °	
			-121.597039 °	-121.597039 °	
DWR ID	DWR_RD0349_03_s_2012_25				
Action/Comments					
Fence Inspector Comments: Unauthorized cable gate crossing levee. Cable gates crossing the levee crown have been prohibited. There is no CVFPB permit for this crossing. This encroachment should be removed.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_25\_20141008\_00004.jpg



Cable crossings has been banned. They are unauthorized. No new photo.

LM Start	<b>4.08</b>	Rating **	M	Issue No.	<b>74</b>
LM End	<b>5.62</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.308740 °	38.326030 °	
			-121.597568 °	-121.584830 °	
DWR ID	DWR_RD0349_03_f_2014_74				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>4.08</b>	Rating **	M	Issue No.	<b>75</b>
LM End	<b>5.62</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.308740 °	38.326030 °	
			-121.597568 °	-121.584830 °	
DWR ID	DWR_RD0349_03_f_2014_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>4.19</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>4.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.310188 °	38.310853 °	
			-121.597769 °	-121.596415 °	
DWR ID	DWR_RD0349_03_s_2014_76				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove these trees from levee section.					

No Photos

LM Start	<b>4.23</b>	Rating **	M	Issue No.	<b>78</b>
LM End	<b>4.23</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.310528 °	38.310528 °	
			-121.597180 °	-121.597180 °	
DWR ID	DWR_RD0349_03_f_2014_78				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Dead tree need removing from levee section.					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>4.29</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>4.29</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310911 °	38.310911 °
				-121.596198 °	-121.596198 °
DWR ID	DWR_RD0349_03_f_2014_47				
Action/Comments					
<p>Inspector Comments: FS_ID:21646 EP_NO: 8681 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 1 of 2: 6-inch steel pipe and 1.5-inch steel electrical conduit through the levee, 4.1 feet and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Pump on platform and gate valve on the waterward slope, not connected. Exposed suction pipe from pump to channel. Rock revetment on waterward slope. (Permit No. 8681-1973) FS Date: 3/19/2009</p>					

No Photos

LM Start	<b>4.29</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>4.29</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310984 °	38.310984 °
				-121.596198 °	-121.596198 °
DWR ID	DWR_RD0349_03_f_2014_48				
Action/Comments					
<p>Inspector Comments: FS_ID:21648 EP_NO: 8681 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Is filter sytem located on landward side part of crossing. If so need permit number authorizing work. Also if crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 2 of 2: 12-inch steel pipe through the levee, 4.3 feet feet below the crown. Steel cutoff wall around pipe at center of levee. Pump on platform and gate valve on the waterward slope. Exposed suction pipe from pump to channel. Rock revetment on waterward slope. (Permit No. 8681-1973) FS Date: 3/19/2009</p>					

No Photos

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>79</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.311067 °	38.311160 °	
			-121.595910 °	-121.595648 °	
DWR ID	DWR_RD0349_03_f_2014_79				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>4.54</b>	Rating **	U	Issue No.	<b>82</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.313263 °	38.313263 °	
			-121.592700 °	-121.592700 °	
DWR ID	DWR_RD0349_03_f_2014_82				
Action/Comments					
Tree or limb Inspector Comments: Dead tree fallen across levee crown access blocked, not able to go around tree.					

Photo 1 of 2 : FA\_2014\_RD0349\_206\_82\_20141112\_00045.jpg



Dead tree fallen across levee crown roadway, access blocked off.

LM Start	<b>4.54</b>	Rating **	U	Issue No.	<b>82 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : FA\_2014\_RD0349\_206\_82\_20141112\_00046.jpg



Dead tree completely up rooted from the ground.

<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>4.54</b>	Rating **	M	Issue No.	<b>77</b>
LM End	<b>4.54</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.313295 °	38.313295 °	
			-121.592691 °	-121.592691 °	
DWR ID	DWR_RD0349_03_f_2014_77				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>4.58</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>4.58</b>	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.313675 °	38.313675 °	
			-121.592256 °	-121.592256 °	
DWR ID	DWR_RD0349_03_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:21649 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Recommend removing vegetation along pipe alignment. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch pipe and 2-inch electrical conduit through the levee, both 2.8 feet below the crown. Abandoned pumps and gate valve on the waterward slope. Service pole on the landward slope. Concrete headwall on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.8). FS Date: 3/19/2009					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>4.84</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>4.84</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.317010 °	38.317010 °
				-121.590310 °	-121.590310 °
DWR ID	DWR_RD0349_03_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:21650 EP_NO: 15359 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6.0 feet below the crown. Siphon breaker in protective house at levee shoulder. Pump in pumphouse and power pole at landward toe. Pipe connected to 8-inch exposed pipe at landward shoulder, extending to pumphouse. Filter screen in channel at waterward toe. (Permit No. 15359-1990) FS Date: 3/19/2009					

No Photos

LM Start	<b>4.89</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>6.35</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.317714 °	38.329130 °
				-121.589638 °	-121.579414 °
DWR ID	DWR_RD0349_03_f_2013_24				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : FA\_2014\_RD0349\_206\_24\_20141008\_00003.jpg



Tall weeds has completely taken over crown roadway.

<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.05</b>	Rating **	C	Issue No.	<b>80</b>
LM End	<b>5.05</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.319848 °	38.319848 °	
			-121.589603 °	-121.589603 °	
DWR ID	DWR_RD0349_03_s_2014_80				
Action/Comments					
Tree or limb Inspector Comments: Dead tree on landside slope has portion broken off and fallen on the shoulder and slope and needs to be removed.					

No Photos

LM Start	<b>5.08</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>5.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.320321 °	38.320321 °	
			-121.589617 °	-121.589617 °	
DWR ID	DWR_RD0349_03_s_2013_42				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>5.11</b>	Rating **	C	Issue No.	<b>30</b>
LM End	<b>5.11</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.320831 °	38.320831 °	
			-121.589637 °	-121.589637 °	
DWR ID	DWR_RD0349_03_f_2013_30				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.11</b>	Rating **	<b>C</b>	Issue No.	<b>81</b>
LM End	<b>5.11</b>	Issue Type +	<b>En</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.320775 °	38.320775 °	
			-121.589643 °	-121.589643 °	
DWR ID	DWR_RD0349_03_s_2014_81				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>5.22</b>	Rating **	<b>M</b>	Issue No.	<b>16</b>
LM End	<b>5.22</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.322549 °	38.322546 °	
			-121.589620 °	-121.589615 °	
DWR ID	DWR_RD0349_03_f_2012_16				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.23</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>5.23</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322509 °	38.322509 °
				-121.589706 °	-121.589706 °
DWR ID	DWR_RD0349_03_f_2014_51				
Action/Comments					
Inspector Comments: FS_ID:38512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walkway is no longer functional. Need to contact owner--if crossing is no longer used owner will need to coordinate with DWR Inspector and CVFPB. 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 6.2 feet below the crown. Pump and control panel on piling structure in stream, with walkway. Service pole and concrete standpipe on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.5). FS Date: 3/19/2009					

No Photos

LM Start	<b>5.26</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>5.26</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322693 °	38.322693 °
				-121.589327 °	-121.589327 °
DWR ID	DWR_RD0349_03_s_2012_21				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.26</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>5.26</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.322723 °	38.322723 °	
			-121.589313 °	-121.589313 °	
DWR ID	DWR_RD0349_03_f_2014_43				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>5.28</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>5.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.322868 °	38.322868 °	
			-121.588868 °	-121.588868 °	
DWR ID	DWR_RD0349_03_f_2012_36				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>5.31</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.322958 °	38.323141 °	
			-121.588326 °	-121.587639 °	
DWR ID	DWR_RD0349_03_f_2013_32				
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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.37</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>5.37</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.323270 °	38.323270 °
				-121.587399 °	-121.587399 °
DWR ID	DWR_RD0349_03_f_2014_52				
Action/Comments					
Inspector Comments: FS_ID:21667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation (waterward slope) and building encroachment (landward slope) limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Building on landward shoulder was installed in 1989. Need to coordiante with owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR Inspector and CVFPB to determine course of action required. FIELD_STRUCT_DESC: 4-inch pipe through the levee, 3.3 feet below the crown. Gate and pump on platform at the landward toe. Platform on the waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.6). FS Date: 3/19/2009					

No Photos

LM Start	<b>5.40</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>6.41</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.323960 °	38.327893 °
				-121.587684 °	-121.578119 °
DWR ID	DWR_RD0349_03_s_2012_17				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.50</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>5.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.324448 °	38.325476 °	
			-121.585648 °	-121.585042 °	
DWR ID	DWR_RD0349_03_f_2012_38				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>5.53</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>5.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.324877 °	38.325286 °	
			-121.585358 °	-121.585162 °	
DWR ID	DWR_RD0349_03_s_2013_44				
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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.63</b>	Rating **	M	Issue No.	<b>84</b>
LM End	<b>6.35</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.326183 °	38.329088 °	
			-121.584770 °	-121.579400 °	
DWR ID	DWR_RD0349_03_f_2014_84				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	<b>5.74</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>5.74</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.327758 °	38.327758 °	
			-121.584920 °	-121.584920 °	
DWR ID	DWR_RD0349_03_f_2014_89				
Action/Comments					
Tree or limb					

No Photos

LM Start	<b>5.87</b>	Rating **	M	Issue No.	<b>88</b>
LM End	<b>5.87</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.329465 °	38.329465 °	
			-121.584995 °	-121.584995 °	
DWR ID	DWR_RD0349_03_f_2014_88				
Action/Comments					
Trim trees over roadway to at least 12 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	<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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>5.94</b>	Rating **	M	Issue No.	<b>90</b>
LM End	<b>5.94</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.330308 °	38.330308 °	
			-121.584560 °	-121.584560 °	
DWR ID	DWR_RD0349_03_f_2014_90				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>6.06</b>	Rating **	M	Issue No.	<b>87</b>
LM End	<b>6.06</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.331592 °	38.331592 °	
			-121.583287 °	-121.583287 °	
DWR ID	DWR_RD0349_03_f_2014_87				
Action/Comments					
Firewood					

No Photos

LM Start	<b>6.13</b>	Rating **	M	Issue No.	<b>86</b>
LM End	<b>6.13</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.331327 °	38.331327 °	
			-121.582067 °	-121.582067 °	
DWR ID	DWR_RD0349_03_f_2014_86				
Action/Comments					
Trim trees over roadway to at least 12 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. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/15/2014 10/15/2014	Herman Phillips

LM Start	<b>6.33</b>	Rating **	M	Issue No.	<b>85</b>
LM End	<b>6.55</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.329267 °	38.327002 °	
			-121.579550 °	-121.576921 °	
DWR ID	DWR_RD0349_03_f_2014_85				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	<b>6.36</b>	Rating **	M	Issue No.	<b>54</b>
LM End	<b>6.36</b>	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.328944 °	38.328944 °	
			-121.579219 °	-121.579219 °	
DWR ID	DWR_RD0349_03_f_2014_54				
Action/Comments					
Inspector Comments: FS_ID:21671 EP_NO: 17765 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Debris found on waterward side--needs to be removed. Also 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. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 6.3 feet below the crown. Slant pump on concrete pilings on waterward slope. Concrete standpipe, distribution box and electric service pole at landward toe. Pipe exposed on landward slope. (Permit No. 17765-2004) FS Date: 3/19/2009					

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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