

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 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	6.79	17.87	78.27	630.85%	0.21			
Trim / Thin Trees	0.32	0.01	0.36	2.90%				
Encroachments	0.06	0.02	0.14	1.13%	0.05	0.30		
Animal Control	0.18		0.18	1.45%				
Slope Stability		0.06	0.24	1.93%				
Emergency Supplies & Equipment	0.12		0.12	0.97%				
Flood Preparedness & Training	0.12		0.12	0.97%				
<i>Interior Drainage &amp; Piping Systems</i>								
Vegetation & Obstructions	0.43		0.43	3.47%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.69	0.16	1.33	10.72%				
DWR UCIP Field Study					0.46	0.05		
<i>LMA Totals:</i>	8.72	18.12	81.20	654.47%	0.72	0.35	0.00	0.00
<b>Unit No. 01 Sacramento River RB</b>								
RD0349	Overall Unit Rating	Total Unit Miles						
	<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	0.30	1.91	7.94	500.59%				
Trim / Thin Trees	0.23		0.23	14.50%				
Encroachments						0.01		
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	4.41%				
DWR UCIP Field Study					0.04	0.02		
<i>Unit Totals:</i>	0.60	1.91	8.24	519.51%	0.04	0.03	0.00	0.00
<b>Unit No. 02 Steamboat Slough RB</b>								
RD0349	Overall Unit Rating	Total Unit Miles						
	<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	5.91	4.08	22.23	514.72%	0.21			
Trim / Thin Trees	0.05		0.05	1.16%				
Encroachments	0.03	0.01	0.07	1.62%	0.04	0.16		
Animal Control	0.18		0.18	4.17%				
Slope Stability		0.06	0.24	5.56%				
<i>Interior Drainage &amp; Piping Systems</i>								
Vegetation & Obstructions	0.43		0.43	9.96%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.45	0.16	1.09	25.24%				
DWR UCIP Field Study					0.17	0.01		
<i>Unit Totals:</i>	7.05	4.31	24.29	562.42%	0.42	0.17	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 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>						
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	0.58	11.88	48.10	739.77%				
Trim / Thin Trees	0.04	0.01	0.08	1.23%				
Encroachments	0.03	0.01	0.07	1.08%	0.01	0.13		
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.17		0.17	2.62%				
DWR UCIP Field Study					0.25	0.02		
<i>Unit Totals:</i>	0.82	11.90	48.42	744.69%	0.26	0.15	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2015 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 2015 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	04/14/2015 - 04/14/2015		10/09/2015 - 10/09/2015	
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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	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. The President of the District was not available with me on this inspection.					

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>2</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.327037 °	38.316518 °	
			-121.576978 °	-121.579135 °	
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\_2015\_RD0349\_204\_2\_20151012\_00010.jpg



Unsatisfactory woody tree growth on the water side levee shoulder and slope

LM Start	<b>0.01</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\_2015\_RD0349\_204\_1\_20151012\_00011.jpg



Unsatisfactory growth of wild weeds present on the landside levee slope and toe.

LM Start	<b>0.03</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.10</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.326743 °	38.325844 °	
			-121.576979 °	-121.577119 °	
DWR ID					
Action/Comments					
Inspector Comments: 2015: Erosion observed at the toe. [2015 Site ID: SAC_33-9_R]					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>0.08</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.326133 °	38.326133 °
				-121.577141 °	-121.577141 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44303 DS_ID:24137 EP_NO: N/A FS_HLM: 0.0621 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears to be abandoned and if so should be done so properly. Electromagnetic survey indicated a crossing at this location. FIELD_STRUCT_DESC: *ABANDONED* 10-inch pipe through the levee, 3.8 feet below the crown. Power pole and anchor on the landward side. Deteriorated concrete box at the LS toe. Concrete debris on WS toe good indicator of pump location (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.74). FS Date: 04/02/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5845.jpg



Concrete debris on WS toe is a good indicator of pump location.

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.08</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_5846.jpg



Concrete debris on WS toe is a good indicator of pump location.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.08</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.326133 °	38.326133 °
				-121.577141 °	-121.577141 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44303 DS_ID:24137 EP_NO: N/A FS_HLM: 0.0621 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_5893.jpg



Deteriated concrete distribution box on LS toe next to power pole.

LM Start	<b>0.47</b>	Rating **	U	Issue No.	<b>23</b>
LM End	<b>0.47</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.320476 °	38.320476 °
				-121.578616 °	-121.578616 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39871 DS_ID:24139 EP_NO: N/A FS_HLM: 0.466 Repair Type: Urgent Crossing Status: Found UCIP Comments: Exposed section of levee slope on landward side--need to contact owner and DWR inspector. Burrow activity noticed at crossing 10 inch holes. 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 steel pipe measured (instead of 10-inch) sleeved through a 12-inch steel pipe, 6.6 feet below the crown. Annular gap grouted at both ends. Active centrifugal pump on platform at landward toe. Inactive slant pump on steel platform on waterward slope. Exposed section pipe on waterward slope. Service pole on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.5). 10-inch pipe sleeved through pre-existing pipe under Permit No. 3382 (1960). 12-inch pipe sleeved was authorized under Permint No. 951 in 1944. FS Date: 03/18/2009					

Photo 1 of 2 : UCIP\_FA\_2015\_0709.jpg



View of pipe on landward side--open cut section.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.47</b>	Rating **	U	Issue No.	<b>23 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.320476 °	38.320476 °
				-121.578616 °	-121.578616 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:39871 DS_ID:24139 EP_NO: N/A FS_HLM: 0.466 Repair Type: Urgent Crossing Status: Found UCIP Comments: Exposed section of levee slope on landward side--need to contact owner and DWR inspector. Burrow activity noticed at crossing 10 inch holes. 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 steel pipe measured (instead of 10-inch) sleeved through a 12-inch steel pipe, 6.6 feet below the crown. Annular gap grouted at both ends. Active centrifugal pump on platform at landward toe. Inactive slant pump on steel platform on waterward slope. Exposed section pipe on waterward slope. Service pole on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.5). 10-inch pipe sleeved through pre-existing pipe under Permit No. 3382 (1960). 12-inch pipe sleeved was authorized under Permint No. 951 in 1944. FS Date: 03/18/2009					

Photo 2 of 2 : UCIP\_FA\_2015\_0710.jpg



View of pipe on waterward side with rip rap on toe--dense vegetation on 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.88</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>0.88</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.314672 °	38.314672 °
				-121.579102 °	-121.579102 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_0717.jpg



**Action/Comments**

Inspector Comments: FS\_ID:21572  
 DS\_ID:24521  
 EP\_NO: N/A  
 FS\_HLM: 0.873  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: No records were found during intial desk study--need to contact owner to obtain permit number authorizing work. 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) 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: Abandoned 8-inch pipe through the levee, 13.9 feet below the crown. Pump on platform at landward toe. Service pole on landward slope.  
 FS Date: 03/18/2009

Pump house located on landward side at 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.88</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.88</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.314672 °	38.314672 °
				-121.579102 °	-121.579102 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21572 DS_ID:24521 EP_NO: N/A FS_HLM: 0.873 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No records were found during intial desk study--need to contact owner to obtain permit number authorizing work. 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) 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: Abandoned 8-inch pipe through the levee, 13.9 feet below the crown. Pump on platform at landward toe. Service pole on landward slope. FS Date: 03/18/2009					

Photo 2 of 3 : UCIP\_FA\_2015\_0718.jpg



View of pipe crossing located on waterward side--dense vegetation 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 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.88	Rating **	M	Issue No.	24 (cont)
LM End	0.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.314672 °	38.314672 °
DWR ID				-121.579102 °	-121.579102 °
Action/Comments					
Inspector Comments: FS_ID:21572 DS_ID:24521 EP_NO: N/A FS_HLM: 0.873 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No records were found during intial desk study--need to contact owner to obtain permit number authorizing work. 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) 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: Abandoned 8-inch pipe through the levee, 13.9 feet below the crown. Pump on platform at landward toe. Service pole on landward slope. FS Date: 03/18/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_0719.jpg



View of pump house, concrete stand pipe, and utility pole.

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

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.03</b>	Rating **	U	Issue No.	<b>25</b>
LM End	<b>1.03</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.312496 °	38.312496 °
				-121.578625 °	-121.578625 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_0711.jpg



**Action/Comments**

Inspector Comments: FS\_ID:39872  
 DS\_ID:24140  
 EP\_NO: N/A  
 FS\_HLM: 1.026  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: Exposed section of levee slope on landward side--need to contact owner and DWR inspector. 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: 14-inch pipe (waterward shoulder) and 12-inch pipe (landward shoulder) through the levee, 4.7 feet below the crown. Gate valve on the waterward slope. Pump in pumphouse on landward slope. Pressure breaker behind pumphouse. Pipe exposed on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1).  
 FS Date: 03/18/2009

View of landward slope--open cut.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.03</b>	Rating **	U	Issue No.	<b>25 (cont)</b>
LM End	<b>1.03</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.312496 °	38.312496 °
				-121.578625 °	-121.578625 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_0712.jpg



**Action/Comments**

Inspector Comments: FS\_ID:39872  
 DS\_ID:24140  
 EP\_NO: N/A  
 FS\_HLM: 1.026  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: Exposed section of levee slope on landward side-- need to contact owner and DWR inspector. 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: 14-inch pipe (waterward shoulder) and 12-inch pipe (landward shoulder) through the levee, 4.7 feet below the crown. Gate valve on the waterward slope. Pump in pumphouse on landward slope. Pressure breaker behind pumphouse. Pipe exposed on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1).  
 FS Date: 03/18/2009

View of pipe on waterward side.

<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 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.03	Rating **	U	Issue No.	25 (cont)
LM End	1.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.312496 °	38.312496 °
				-121.578625 °	-121.578625 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39872 DS_ID:24140 EP_NO: N/A FS_HLM: 1.026 Repair Type: Urgent Crossing Status: Found UCIP Comments: Exposed section of levee slope on landward side--need to contact owner and DWR inspector. 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: 14-inch pipe (waterward shoulder) and 12-inch pipe (landward shoulder) through the levee, 4.7 feet below the crown. Gate valve on the waterward slope. Pump in pumphouse on landward slope. Pressure breaker behind pumphouse. Pipe exposed on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1). FS Date: 03/18/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_0713.jpg



View of gate with missing handle located on waterward slope.

LM Start	1.05	Rating **	M	Issue No.	10
LM End	1.28	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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.11</b>	Rating **	U	Issue No.	<b>5</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.311360 °	38.309287 °
				-121.578240 °	-121.577065 °
DWR ID	DWR_RD0349_01_f_2015_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The woody tree growth need to be removed and or thinned so the levee can be inspected.					

Photo 1 of 1 : FA\_2015\_RD0349\_204\_5\_20151012\_00016.jpg



Unsatisfactory woody tree growth blocking view of levee slope.

LM Start	<b>1.19</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>1.19</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310287 °	38.310287 °
				-121.577669 °	-121.577669 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44304 DS_ID:24141 EP_NO: N/A FS_HLM: 1.188 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2007 DWR erosion repair site location?--need to find out fate of crossing. 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: Pumphouse at landward toe. Pressure breaker on landward side. Electromagnetic Survey indicated a crossing at this location as well. FS Date: 04/02/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_0724.jpg



Geotech fabric and protective frame at tree--design features of erosion repair site 2007-2009.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.19	Rating **	M	Issue No.	26 (cont)
LM End	1.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
	Start		End		
Item	DWR UCIP Field Study			38.310287 °	38.310287 °
				-121.577669 °	-121.577669 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44304 DS_ID:24141 EP_NO: N/A FS_HLM: 1.188 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2007 DWR erosion repair site location?--need to find out fate of crossing. 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: Pumphouse at landward toe. Pressure breaker on landward side. Electromagnetic Survey indicated a crossing at this location as well. FS Date: 04/02/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_5894.jpg



Pumphouse on LS toe (From google view)

Photo 3 of 3 : UCIP\_FA\_2015\_5895.jpg



Pump and motor inside pumphouse at LS toe. No pipe visible.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.38</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.307880 °	38.307453 °	
			-121.576068 °	-121.575735 °	
DWR ID	DWR_RD0349_01_f_2015_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the woody tree growth from the landside levee slope and toe.					

Photo 1 of 1 : FA\_2015\_RD0349\_204\_6\_20151012\_00015.jpg



Unsatisfactory woody tree growth on the landside levee slope.

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>1.46</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.306760 °	38.306760 °	
			-121.575312 °	-121.575312 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44214 DS_ID:24143 EP_NO: 12005 FS_HLM: 1.468 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on WS slope. 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. 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, 4.0 feet below the crown. Siphon breaker and protective housing at levee shoulder. Pump on waterward side. Pipe exposed on waterward slope, extending to pump. Discharge structure at landward toe. (Permit No. 12005-1977) FS Date: 04/02/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_0714.jpg



View of pipe at waterward shoulder with control box.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.46	Rating **	M	Issue No.	27 (cont)
LM End	1.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.306760 °	38.306760 °
				-121.575312 °	-121.575312 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44214 DS_ID:24143 EP_NO: 12005 FS_HLM: 1.468 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on WS slope. 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. 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, 4.0 feet below the crown. Siphon breaker and protective housing at levee shoulder. Pump on waterward side. Pipe exposed on waterward slope, extending to pump. Discharge structure at landward toe. (Permit No. 12005-1977) FS Date: 04/02/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_0715.jpg



Pipe located on landward side--unable to determine whether it belongs to crossing.

LM Start	1.46	Rating **	M	Issue No.	27 (cont)
LM End	1.46	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_0716.jpg



View of landward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.305883 °	38.305373 °	
			-121.574765 °	-121.574657 °	
DWR ID	DWR_RD0349_01_f_2015_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the growth from the landside slope.					

No Photos

LM Start	<b>1.54</b>	Rating **	U	Issue No.	<b>12</b>
LM End	<b>1.54</b>	Issue Type +	En	Location *	LS
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\_2015\_RD0349\_204\_12\_20150915\_00004.jpg



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

LM Start	<b>1.56</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>1.58</b>	Issue Type +	Ma	Location *	WS
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\_2015\_RD0349\_204\_13\_20151012\_00014.jpg



Unsatisfactory arundo completely covering the waterside shoulder and slope.

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

**Unit Cover Sheet**

**Fall 2015 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	04/14/2015 - 04/14/2015		10/09/2015 - 10/09/2015	
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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>88</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305124 °	38.305124 °
				-121.574772 °	-121.574772 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46168 DS_ID:25096 EP_NO: N/A FS_HLM: 0 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to identify permit for crossing. FIELD_STRUCT_DESC: 2-inch waterline through the levee at an unknown depth below crown. Pipe provides service to bridge and beach (per landowner). FS Date: 04/09/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5975.jpg



Cut in pavement good indicator of pipe location.

Photo 2 of 3 : UCIP\_FA\_2015\_5976.jpg



Christy box on WS shoulder.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	WS

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305124 °	38.305124 °
				-121.574772 °	-121.574772 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46168 DS_ID:25096 EP_NO: N/A FS_HLM: 0 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_5977.jpg



Pipe visible next to bridge on WS shoulder.

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>4</b>
LM End	<b>0.01</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 2 : FA\_2015\_RD0349\_205\_4\_20150915\_00005.jpg



Unauthorized building waterside shoulder; Unit 2 Sutter Slough.

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA\_2015\_RD0349\_205\_4\_20150915\_00007.jpg



Unauthorized fence adjacent to building waterside 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	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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

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>0.04</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>0.04</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304885 °	38.304885 °
				-121.575369 °	-121.575369 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46169 DS_ID:25098 EP_NO: N/A FS_HLM: 0.04 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Need to identify permit. FIELD_STRUCT_DESC: 1-inch waterline through the levee 1.5-feet below the crown. Pipe visible at fence on WS slope. FS Date: 04/09/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5978.jpg



Pipe visible at base of fence on WS 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	89 (cont)
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304885 °	38.304885 °
				-121.575369 °	-121.575369 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46169 DS_ID:25098 EP_NO: N/A FS_HLM: 0.04 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Need to identify permit. FIELD_STRUCT_DESC: 1-inch waterline through the levee 1.5-feet below the crown. Pipe visible at fence on WS slope. FS Date: 04/09/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_5979.jpg



Fence on WS shoulder.

LM Start	0.04	Rating **	M	Issue No.	89 (cont)
LM End	0.04	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_5980.jpg



Approximate location of pipe alignment on LS of crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.05</b>	Rating **	U	Issue No.	<b>52</b>
LM End	<b>0.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304853 °	38.303738 °
				-121.575475 °	-121.577828 °
DWR ID	DWR_RD0349_02_f_2015_52				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Mow the slope to remove the tall weeds and vegetation from the levee slope.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_52\_20151012\_00051.jpg



Looking downstream from landside shoulder at tall snapgrass and other vegetation on slope.

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>90</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					
Action/Comments					
Inspector Comments: FS_ID:21576 DS_ID:24145 EP_NO: N/A FS_HLM: 0.096 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: 03/18/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_0740.jpg



Multiple appurtenances found on landward side-standpipe, electrical pole, valve, concrete distribution box.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>90 (cont)</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					

Photo 2 of 3 : UCIP\_FA\_2015\_2408.jpg



Action/Comments					
Inspector Comments: FS_ID:21576 DS_ID:24145 EP_NO: N/A FS_HLM: 0.096 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: 03/18/2009					

Pipes through levee at waterward slope.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.10	Rating **	M	Issue No.	90 (cont)
LM End	0.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			38.304606 °	38.304606 °
DWR ID				-121.576323 °	-121.576323 °
Action/Comments					
Inspector Comments: FS_ID:21576 DS_ID:24145 EP_NO: N/A FS_HLM: 0.096 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: 03/18/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_2409.jpg



Dense vegetation on waterward slope--2 pipes and 1 conduit.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>91</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					
Action/Comments					
Inspector Comments: FS_ID:21577 DS_ID:24146 EP_NO: 2480 FS_HLM: 0.096 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: 03/18/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2410.jpg



View of waterward side--pump and raised platform.

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2411.jpg



Dense vegetation on waterward slope-2 pipes and 1 conduit.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>91 (cont)</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					
Action/Comments					
Inspector Comments: FS_ID:21577 DS_ID:24146 EP_NO: 2480 FS_HLM: 0.096 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2412.jpg



Pipes through levee at waterward slope.

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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>92</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					
Action/Comments					
Inspector Comments: FS_ID:21613 DS_ID:24147 EP_NO: N/A FS_HLM: 0.129 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: 03/18/2009					

Photo 1 of 2 : UCIP\_FA\_2015\_2520.jpg



Underground service alert (USA) marking on levee crown.

Photo 2 of 2 : UCIP\_FA\_2015\_2521.jpg



View of crossing on landward side.

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>0.17</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304353 °	38.303993 °	
			-121.576838 °	-121.577437 °	
DWR ID	DWR_RD0349_02_f_2015_57				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>3.50</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

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	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>0.27</b>	Rating **	U	Issue No.	<b>68</b>
LM End	<b>0.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.303122 °	38.300208 °	
			-121.579010 °	-121.580965 °	
DWR ID	DWR_RD0349_02_f_2015_68				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the arundo from the landside slope and toe.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_68\_20151012\_00054.jpg



Landside levee slope and toe covered with arundo.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.28</b>	Rating **	M	Issue No.	<b>93</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					

Photo 1 of 3 : UCIP\_FA\_2015\_0703.jpg



Action/Comments					
Inspector Comments: FS_ID:21614 DS_ID:24148 EP_NO: 12006 FS_HLM: 0.28 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: 03/18/2009					

New configuration--sections of pipe have been abandoned.

<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 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.28</b>	Rating **	M	Issue No.	<b>93 (cont)</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					
Action/Comments					
Inspector Comments: FS_ID:21614 DS_ID:24148 EP_NO: 12006 FS_HLM: 0.28 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: 03/18/2009					

Photo 2 of 3 : UCIP\_FA\_2015\_0704.jpg



Crossing has been altered--abandoned pipe through levee slope remains.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.28	Rating **	M	Issue No.	93 (cont)
LM End	0.28	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					
Action/Comments					
Inspector Comments: FS_ID:21614 DS_ID:24148 EP_NO: 12006 FS_HLM: 0.28 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: 03/18/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_0705.jpg



View of landward side--unable to inspect.

LM Start	0.34	Rating **	M	Issue No.	9
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
	Start		End		
Item	2015 USACE Erosion Survey, DRAFT			38.302358 °	38.301772 °
				-121.579707 °	-121.580093 °
DWR ID					
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. 2015: Large tree popout, scarp reaches crown of levee. [2015 Site ID: STM_25-8_R]					

Photo 1 of 1 : USACE2013A\_STM\_25-8\_R\_2.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>94</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299353 °	38.299353 °
				-121.581525 °	-121.581525 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21615 DS_ID:24149 EP_NO: N/A FS_HLM: 0.577 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner (Permit No. 3678) to determine if crossing is still in use. If crossing is not in use will need to coordinate with DWR Inspector and CVFPB to remove pipe according to Title 23 requirements. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 6-inch irrigation pipe through the levee, 2.5 feet below the crown. Pump on waterward slope. Service pole at landward shoulder. 3-inch conduit through levee to service pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.6). Pump replaced and placed on concrete pad on waterward slope under Permit No. 3678 (1961). FS Date: 03/18/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_0706.jpg



View of pipe and pump on waterward side.

Photo 2 of 3 : UCIP\_FA\_2015\_0707.jpg



View of landward shoulder--service pole and pipe section through 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.57	Rating **	M	Issue No.	94 (cont)
LM End	0.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			38.299353 °	38.299353 °
				-121.581525 °	-121.581525 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21615 DS_ID:24149 EP_NO: N/A FS_HLM: 0.577 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_0708.jpg



View of landward side--it appears PVC pipe was sleeved through existing crossing.

LM Start	0.60	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015: Minor new erosion at toe, new tree popout. [2015 Site ID: STM_25-5_R]					

Photo 1 of 1 : USACE2013A\_STM\_25-5\_R\_7.jpg



USACE 2013 Photo #1

LM Start	0.64	Rating **	M	Issue No.	70
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
			Start	End	
Item	Vegetation & Obstructions			38.298430 °	38.292457 °
				-121.582132 °	-121.583898 °
DWR ID	DWR_RD0349_02_f_2015_70				
Action/Comments					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	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>0.82</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>0.83</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.89</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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.84</b>	Rating **	U	Issue No.	<b>77</b>
LM End	<b>0.96</b>	Issue Type +	Ma	Location *	LS
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\_2015\_RD0349\_205\_77\_20150915\_00027.jpg



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

LM Start	<b>0.86</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.295352 °	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>0.86</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295352 °	38.295352 °	
			-121.583050 °	-121.583050 °	
DWR ID	DWR_RD0349_02_f_2015_2				
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	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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.00</b>	Rating **	U	Issue No.	<b>79</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	LS
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: There is some erosion present under this brush pile The district needs to bring in some material to make repairs as needed.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_79\_20151012\_00055.jpg



Under the brush pile is some erosion along the landside slope.

LM Start	<b>1.07</b>	Rating **	U	Issue No.	<b>14</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292457 °	38.289063 °	
			-121.583898 °	-121.584057 °	
DWR ID	DWR_RD0349_02_f_2015_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the snap grass from the landward slope.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_14\_20151012\_00060.jpg



Looking downstream from levee mile 1.07 to 1.30 snap grasses covering landward slope.

LM Start	<b>1.10</b>	Rating **	C	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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.26</b>	Rating **	U	Issue No.	<b>8</b>
LM End	<b>3.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.289705 °	38.262750 °	
			-121.584054 °	-121.591877 °	
DWR ID	DWR_RD0349_02_f_2015_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>1.33</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>1.33</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>1.33</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	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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.33</b>	Rating **	U	Issue No.	<b>10</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID					
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. 2015: No observed changes. [2015 Site ID: STM_24-7_R]					

Photo 1 of 1 : USACE2013A\_STM\_24-7\_R\_2.jpg



USACE 2013 Photo #1

LM Start	<b>1.33</b>	Rating **	U	Issue No.	<b>61</b>
LM End	<b>1.35</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288717 °	38.288467 °
				-121.584038 °	-121.584070 °
DWR ID	DWR_RD0349_02_f_2015_61				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: Remove the woody tree growth from the levee slope and shoulder.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_61\_20151012\_00057.jpg



Looking downstream from levee mile 1.33-1.35 woody tree growth completely blocking the view of the levee.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>95</b>
LM End	<b>1.38</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					
Action/Comments					
Inspector Comments: FS_ID:21606 DS_ID:24154 EP_NO: 6274 FS_HLM: 1.392 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: 03/18/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2495.jpg



Smaller pipe sleeved through larger pipe that goes through levee.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>1.38</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					
Action/Comments					
Inspector Comments: FS_ID:21606 DS_ID:24154 EP_NO: 6274 FS_HLM: 1.392 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: 03/18/2009					

Photo 2 of 3 : UCIP\_FA\_2015\_2496.jpg



View of abandoned framing located on river's edge.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>1.38</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					
Action/Comments					
Inspector Comments: FS_ID:21606 DS_ID:24154 EP_NO: 6274 FS_HLM: 1.392 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: 03/18/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_2497.jpg



Pipe sleeved through larger pipe.

LM Start	<b>1.39</b>	Rating **	M	Issue No.	<b>72</b>
LM End	<b>2.37</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287888 °	38.275708 °
				-121.584082 °	-121.591382 °
DWR ID	DWR_RD0349_02_f_2015_72				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the vegetation from the levee slope.					

No Photos

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>1.65</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>1.62</b>	Rating **	M	Issue No.	<b>96</b>
LM End	<b>1.62</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					
Action/Comments					
Inspector Comments: FS_ID:21607 DS_ID:24155 EP_NO: 1116 FS_HLM: 1.627 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: 03/18/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2498.jpg



Filter system, control panel, and stand pipe located at the 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	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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.62	Rating **	M	Issue No.	96 (cont)
LM End	1.62	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					
Action/Comments					
Inspector Comments: FS_ID:21607 DS_ID:24155 EP_NO: 1116 FS_HLM: 1.627 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: 03/18/2009					

Photo 2 of 3 : UCIP\_FA\_2015\_2499.jpg



Pipe at the waterward toe.

LM Start	1.62	Rating **	M	Issue No.	96 (cont)
LM End	1.62	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_2500.jpg



View of waterward side.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>97</b>
LM End	<b>1.82</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					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:21608 DS_ID:24156 EP_NO: N/A FS_HLM: 1.836 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2501.jpg



View of pipe on waterward slope.

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2502.jpg



View of pipe daylight at shed on waterward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>1.82</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					
Action/Comments					
Inspector Comments: FS_ID:21608 DS_ID:24156 EP_NO: N/A FS_HLM: 1.836 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2503.jpg



View inside pump house of pipe crossing coming out of levee.

LM Start	<b>1.91</b>	Rating **	M	Issue No.	<b>65</b>
LM End	<b>1.94</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>2.04</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Small scallop caused by erosion and wave wash. 2015: No observed changes. [2015 Site ID: STM_24-1_R]					

Photo 1 of 1 : USACE2013A\_STM\_24-1\_R\_1.jpg



USACE 2013 Photo #1

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.11</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>2.14</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID					
<b>Action/Comments</b>					
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. 2015: Minor new erosion. [2015 Site ID: STM_23-9_R]					

Photo 1 of 1 : USACE2013A\_STM\_23-9\_R\_5.jpg



USACE 2013 Photo #1

LM Start	<b>2.14</b>	Rating **	M	Issue No.	<b>98</b>
LM End	<b>2.14</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					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:21609 DS_ID:24157 EP_NO: N/A FS_HLM: 2.159 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: 03/18/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2510.jpg



Overview of landward side--distribution box located at toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.14</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>2.14</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					

Photo 2 of 3 : UCIP\_FA\_2015\_2511.jpg



Action/Comments					
Inspector Comments: FS_ID:21609 DS_ID:24157 EP_NO: N/A FS_HLM: 2.159 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: 03/18/2009					

Debris along pipe alignment.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	2.14	Rating **	M	Issue No.	98 (cont)
LM End	2.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278682 °	38.278682 °
DWR ID				-121.590104 °	-121.590104 °
Action/Comments					
Inspector Comments: FS_ID:21609 DS_ID:24157 EP_NO: N/A FS_HLM: 2.159 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: 03/18/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_2512.jpg



Inside view of distribution box located on landward side.

LM Start	2.18	Rating **	M	Issue No.	38
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278187 °	38.275359 °
DWR ID	DWR_RD0349_02_f_2013_38			-121.590437 °	-121.591171 °
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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.37</b>	Rating **	U	Issue No.	<b>75</b>
LM End	<b>2.40</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275708 °	38.275345 °
				-121.591382 °	-121.591130 °
DWR ID	DWR_RD0349_02_f_2015_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove this section of arundo from the levee slope and shoulder.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_75\_20151012\_00053.jpg



Looking downstream from levee mile 2.37-2.40 arundo has completely covered the landward levee section

LM Start	<b>2.39</b>	Rating **	M	Issue No.	<b>99</b>
LM End	<b>2.39</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					
Action/Comments					
Inspector Comments: FS_ID:39873 DS_ID:24158 EP_NO: N/A FS_HLM: 2.401 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. (Permit No. 946, 1944). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.5). FS Date: 03/18/2009					

Photo 1 of 2 : UCIP\_FA\_2015\_2513.jpg



Overview of waterward side--dense vegetation limits slope inspection.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.39</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>2.39</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.					

Photo 2 of 2 : FA\_2015\_RD0349\_205\_1\_20151012\_00059.jpg



Unauthorized boat dock remains on the waterward toe.

LM Start	<b>2.54</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274015 °	38.267227 °
				-121.589180 °	-121.588550 °
DWR ID	DWR_RD0349_02_f_2015_76				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>2.56</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>2.69</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM_23-6_R]					

Photo 1 of 2 : USACE2013A\_STM\_23-6\_R\_4.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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.56</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>2.69</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM_23-6_R]					

Photo 2 of 2 : USACE2013A\_STM\_23-6\_R\_5.jpg



USACE 2013 Photo #2

LM Start	<b>2.62</b>	Rating **	M	Issue No.	<b>78</b>
LM End	<b>2.62</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.272960 °	38.272960 °
				-121.589048 °	-121.589048 °
DWR ID	DWR_RD0349_02_f_2015_78				
<b>Action/Comments</b>					
Garbage					

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>100</b>
LM End	<b>2.93</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268674 °	38.268674 °
				-121.589419 °	-121.589419 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44328 DS_ID:24159 EP_NO: N/A FS_HLM: 2.947 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 1.5 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.1). FS Date: 04/08/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5903.jpg



No pipe visible on LS toe.

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>100 (cont)</b>
LM End	<b>2.93</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_5904.jpg



Pipe visible in water at WS 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>100 (cont)</b>
LM End	<b>2.93</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268674 °	38.268674 °
				-121.589419 °	-121.589419 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44328 DS_ID:24159 EP_NO: N/A FS_HLM: 2.947 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_5905.jpg



Pipe visible in water at WS toe.

LM Start	<b>3.02</b>	Rating **	U	Issue No.	<b>101</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267471 °	38.267471 °
				-121.588659 °	-121.588659 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44331 DS_ID:24160 EP_NO: N/A FS_HLM: 3.04 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe visible on WS slope and appears to be open. Pipe needs to be properly abandoned or verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch pipe through the levee, 3.7 feet below the crown. Pump on concrete blocks on the waterward slope. (Permit No. 655-1935). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.2). Pipe removed from slopes under Permit No. 5350 when new pipe was installed in 1966 . Pipe section through crown appears to have been left in place. FS Date: 04/08/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_5906.jpg



Abandoned pipe visible on slope in vegetation behind new pipe on WS 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>102</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267453 °	38.267453 °
				-121.588668 °	-121.588668 °
DWR ID					

Photo 1 of 2 : UCIP\_FA\_2015\_2515.jpg



**Action/Comments**

Inspector Comments: FS\_ID:44332  
 DS\_ID:24199  
 EP\_NO: 5350  
 FS\_HLM: 3.041  
 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: 6-inch steel pipe and 2-inch iron electrical conduit through the levee, both 3.7 feet below the crown. Siphon breaker in pipe riser on waterward slope. Pump, switch panel, and butterfly valve on concrete blocks on the waterward slope. Service pole on landward slope (Permit No. 5350-1966).  
 FS Date: 04/08/2015

View of waterward side--control panel, pipe, pump, and butterfly valve on WS slope.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	3.02	Rating **	M	Issue No.	102 (cont)
LM End	3.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267453 °	38.267453 °
				-121.588668 °	-121.588668 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44332 DS_ID:24199 EP_NO: 5350 FS_HLM: 3.041 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: 6-inch steel pipe and 2-inch iron electrical conduit through the levee, both 3.7 feet below the crown. Siphon breaker in pipe riser on waterward slope. Pump, switch panel, and butterfly valve on concrete blocks on the waterward slope. Service pole on landward slope (Permit No. 5350-1966). FS Date: 04/08/2015					

Photo 2 of 2 : UCIP\_FA\_2015\_2516.jpg



Pipe and Steel riser on WS slope.

LM Start	3.03	Rating **	M	Issue No.	54
LM End	3.03	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					
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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.15</b>	Rating **	M	Issue No.	<b>103</b>
LM End	<b>3.15</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265608 °	38.265608 °
				-121.588391 °	-121.588391 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46172 DS_ID:25099 EP_NO: N/A FS_HLM: 3.17 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be verified as having been done so properly. FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 4.5 feet below the crown. Service pole at landward toe. FS Date: 04/02/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5981.jpg



Pipe just visible on LS slope.

LM Start	<b>3.15</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_5982.jpg



View of WS from shoulder at crossing. Pipe not found on WS.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.15</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265608 °	38.265608 °
				-121.588391 °	-121.588391 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46172 DS_ID:25099 EP_NO: N/A FS_HLM: 3.17 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_5983.jpg



Approximate pipe alignment on LS.

LM Start	<b>3.31</b>	Rating **	M	Issue No.	<b>104</b>
LM End	<b>3.31</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.263359 °	38.263359 °
				-121.588721 °	-121.588721 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44333 DS_ID:24161 EP_NO: N/A FS_HLM: 3.33 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 4.5 feet below the crown. Pump and switch panel on the waterward slope. Service pole and concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.5). FS Date: 04/08/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5908.jpg



Pipe and electrical conduit visible on WS 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	3.31	Rating **	M	Issue No.	104 (cont)	
LM End	3.31	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			38.263359 °	38.263359 °	
				-121.588721 °	-121.588721 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44333 DS_ID:24161 EP_NO: N/A FS_HLM: 3.33 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 4.5 feet below the crown. Pump and switch panel on the waterward slope. Service pole and concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.5). FS Date: 04/08/2015						

Photo 2 of 3 : UCIP\_FA\_2015\_5909.jpg



distribution box and pipe visible on LS toe.

LM Start	3.31	Rating **	M	Issue No.	104 (cont)
LM End	3.31	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_5910.jpg



Pipe, distribution box, and power pole visible on LS slope/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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.38</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>3.49</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2015: No observed changes. [2015 Site ID: STM_22-8_R]					

Photo 1 of 1 : USACE2013A\_STM\_22-8\_R\_6.jpg



USACE 2013 Photo #1

LM Start	<b>3.49</b>	Rating **	A/W	Issue No.	<b>55</b>
LM End	<b>3.56</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

LM Start	<b>3.58</b>	Rating **	U	Issue No.	<b>84</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262588 °	38.254733 °
				-121.593328 °	-121.599963 °
DWR ID	DWR_RD0349_02_f_2015_84				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the snap grasses from the waterside levee slope.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_84\_20151012\_00062.jpg



Tall snap grasses covering the waterward slope.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.62</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>3.70</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>3.64</b>	Rating **	M	Issue No.	<b>58</b>
LM End	<b>3.65</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

LM Start	<b>3.70</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>3.71</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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.72</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>3.73</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			38.260596 °	38.258426 °
				-121.592160 °	-121.595125 °
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. This need to be taken off the levee section. In the event of a flood fight this area would cause delays in response time.					

Photo 1 of 2 : FA\_2015\_RD0349\_205\_59\_20151012\_00064.jpg



Unauthorized electric wire fence, solid board fence and animal storages within the 10-foot easement landside levee toe.

LM Start	<b>3.76</b>	Rating **	U	Issue No.	<b>59 (cont)</b>
LM End	<b>3.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2015\_RD0349\_205\_59\_20151012\_00065.jpg



Unauthorized electric wire fence installed along the shoulder and levee slope.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>105</b>
LM End	<b>3.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260007 °	38.260007 °
				-121.595273 °	-121.595273 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21612 DS_ID:24162 EP_NO: 8188 FS_HLM: 3.825 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2517.jpg



View of crossing on waterward side.

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>105 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2518.jpg



Overview of lanward side--appurtenances include distribution box, stand pipe, pump house, and control panel.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>105 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260007 °	38.260007 °
				-121.595273 °	-121.595273 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21612 DS_ID:24162 EP_NO: 8188 FS_HLM: 3.825 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2519.jpg



Overview of waterward side--2 crossings.

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>85</b>
LM End	<b>3.99</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.259882 °	38.257252 °
				-121.595245 °	-121.595403 °
DWR ID	DWR_RD0349_02_f_2015_85				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	<b>3.99</b>	Rating **	U	Issue No.	<b>87</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257252 °	38.254733 °
				-121.595403 °	-121.599963 °
DWR ID	DWR_RD0349_02_f_2015_87				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unsatisfactory wild growth from the landside slope.					

Photo 1 of 1 : FA\_2015\_RD0349\_205\_87\_20151012\_00066.jpg



Unsatisfactory tall snap grasses and sweet anise weeds on landside slope.

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

**Unit Cover Sheet**

**Fall 2015 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	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/14/2015 - 04/14/2015		10/09/2015 - 10/09/2015	
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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>51</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254733 °	38.276008 °	
			-121.599963 °	-121.601003 °	
DWR ID	DWR_RD0349_03_f_2015_51				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unwanted wild growth from the landside levee slope and toe.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_51\_20151012\_00040.jpg



Looking downstream from levee mile 0.00 to levee mile 1.53 landside slope covered with tall weeds and berries.

LM Start	<b>0.03</b>	Rating **	U	Issue No.	<b>1</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255094 °	38.271075 °	
			-121.600101 °	-121.603527 °	
DWR ID	DWR_RD0349_03_s_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Mow the waterside levee slope.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_1\_20151012\_00038.jpg



Looking downstream from levee mile 0.00 waterside.

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>59</b>
LM End	<b>0.30</b>	Issue Type +	Ma	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

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.69</b>	Rating **	U	Issue No.	<b>53</b>
LM End	<b>0.80</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.264615 °	38.266097 °	
			-121.601382 °	-121.601822 °	
DWR ID	DWR_RD0349_03_f_2015_53				
Action/Comments					
Fence Inspector Comments: Remove the unauthorized fence from the levee section.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_53\_20151012\_00042.jpg



Unauthorized electric wire fence on the shoulder and slope landside.

LM Start	<b>0.77</b>	Rating **	M	Issue No.	<b>972</b>
LM End	<b>0.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.265751 °	38.265751 °	
			-121.601655 °	-121.601655 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43442 DS_ID:24163 EP_NO: N/A FS_HLM: 0.77 Repair Type: Non-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 steel irrigation 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: 03/19/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_1660.jpg



Pipe covered by dense vegetation.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.77	Rating **	M	Issue No.	972 (cont)
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265751 °	38.265751 °
				-121.601655 °	-121.601655 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43442 DS_ID:24163 EP_NO: N/A FS_HLM: 0.77 Repair Type: Non-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 steel irrigation 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: 03/19/2009					

Photo 2 of 3 : UCIP\_FA\_2015\_2533.jpg



Pump house located at the landward toe.

Photo 3 of 3 : UCIP\_FA\_2015\_2534.jpg



View of waterward side--portion of pipe exposed on slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>973</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267620 °	38.267620 °
				-121.602458 °	-121.602458 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21673 DS_ID:24232 EP_NO: N/A FS_HLM: 0.911 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2360.jpg



View of waterward side--pipe and pump.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>973 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_2361.jpg



View of siphon breaker.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.91	Rating **	M	Issue No.	973 (cont)	
LM End	0.91	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			38.267620 °	38.267620 °	
				-121.602458 °	-121.602458 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:21673 DS_ID:24232 EP_NO: N/A FS_HLM: 0.911 Repair Type: Non-Urgent Crossing Status: Found						

Photo 3 of 3 : UCIP\_FA\_2015\_2362.jpg



View of pipe crossing past pump station.

LM Start	0.97	Rating **	U	Issue No.	971	
LM End	0.97	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. Thin out the woody tree growth so that the slope can be seen.						

Photo 1 of 1 : FA\_2015\_RD0349\_206\_971\_20151012\_00043.jpg



The dead tree listed in last inspection has not been completely removed, nor has the woody tree growth been thinned out.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>974</b>
LM End	<b>1.17</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.271218 °	38.271218 °
				-121.603468 °	-121.603468 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44335 DS_ID:24166 EP_NO: N/A FS_HLM: 1.17 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly or verified as having been done so properly. FIELD_STRUCT_DESC: 6-inch pipe through the levee, 4.5 feet below the crown. Pump and pumphouse no longer on the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.2). FS Date: 04/09/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_5911.jpg



Pipe visible on LS slope.

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>974 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2015\_5912.jpg



Pipe visible on LS slope.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.22</b>	Rating **	U	Issue No.	<b>54</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.271910 °	38.278318 °	
			-121.603358 °	-121.600343 °	
DWR ID	DWR_RD0349_03_f_2015_54				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unwanted woody tree growth from the waterside levee section.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_54\_20151012\_00044.jpg



Looking downstream from the waterside levee shoulder and slope woody tree growth blocking the view of the levee section.

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>975</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.272515 °	38.272515 °	
			-121.603048 °	-121.603048 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43461 DS_ID:24169 EP_NO: 11744 FS_HLM: 1.28 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: 03/19/2009					

Photo 1 of 1 : UCIP\_FA\_2015\_2366.jpg



View of pipe, control panel, and stairs. 2 pipes go through levee 14-inch and 8-inch.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>976</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272532 °	38.272532 °
				-121.603039 °	-121.603039 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2363.jpg



**Action/Comments**

Inspector Comments: FS\_ID:21675  
 DS\_ID:24168  
 EP\_NO: 11744  
 FS\_HLM: 1.267  
 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: 03/19/2009

Pump system located on waterward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>976 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272532 °	38.272532 °
				-121.603039 °	-121.603039 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2364.jpg



**Action/Comments**

Inspector Comments: FS\_ID:21675  
 DS\_ID:24168  
 EP\_NO: 11744  
 FS\_HLM: 1.267  
 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: 03/19/2009

Pipe reduced from 14-inch to 10-inch and conduit through levee.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>976 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272532 °	38.272532 °
				-121.603039 °	-121.603039 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21675 DS_ID:24168 EP_NO: 11744 FS_HLM: 1.267 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: 03/19/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_2365.jpg



Rip rap along the waterward toe.

LM Start	<b>1.31</b>	Rating **	N	Issue No.	<b>63</b>
LM End	<b>1.31</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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.47</b>	Rating **	U	Issue No.	<b>64</b>
LM End	<b>1.47</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\_2015\_RD0349\_206\_64\_20150915\_00008.jpg



Cut up fallen tree on waterside slope.

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>977</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.275532 °	38.275532 °	
			-121.601225 °	-121.601225 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43446 DS_ID:24229 EP_NO: 2954 FS_HLM: 1.498 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: 03/19/2009					

Photo 1 of 2 : UCIP\_FA\_2015\_2535.jpg



Aerial map showing alignment of 18-inch pipe.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.49	Rating **	M	Issue No.	977 (cont)
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275532 °	38.275532 °
DWR ID				-121.601225 °	-121.601225 °
Action/Comments					
Inspector Comments: FS_ID:43446 DS_ID:24229 EP_NO: 2954 FS_HLM: 1.498 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: 03/19/2009					

Photo 2 of 2 : UCIP\_FA\_2015\_2536.jpg



View of all 3 pipes through levee and visible on waterward toe.

LM Start	1.49	Rating **	M	Issue No.	978
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275546 °	38.275546 °
DWR ID				-121.601218 °	-121.601218 °
Action/Comments					
Inspector Comments: FS_ID:43445 DS_ID:24228 EP_NO: 2954 FS_HLM: 1.499 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: 03/19/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2537.jpg



View of pipe on waterward side--pipe running. Siphon breaker visible on pipe.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>978 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275546 °	38.275546 °
				-121.601218 °	-121.601218 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:43445  
 DS\_ID:24228  
 EP\_NO: 2954  
 FS\_HLM: 1.499  
 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: 03/19/2009

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>978 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2538.jpg



Pipe is wrapped--unwrapped coating.

Photo 3 of 3 : UCIP\_FA\_2015\_2539.jpg



Enter photo 5 description or comment here.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>979</b>
LM End	<b>1.49</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					
Action/Comments					
Inspector Comments: FS_ID:21632 DS_ID:24171 EP_NO: 2954 FS_HLM: 1.501 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2540.jpg



View of waterward side--2-24 inch pipes.

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>979 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2541.jpg



Aerial view of all 3 pipes through levee.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>979 (cont)</b>
LM End	<b>1.49</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					
Action/Comments					
Inspector Comments: FS_ID:21632 DS_ID:24171 EP_NO: 2954 FS_HLM: 1.501 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2542.jpg



All 3 pipes visible on waterward side--tall grass limits inspection on waterward side.

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>980</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.280199 °	38.280199 °
				-121.600500 °	-121.600500 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43447 DS_ID:24172 EP_NO: N/A FS_HLM: 1.833 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: 03/19/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2543.jpg



Stand pipe located on landward shoulder--pipe locked.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>980 (cont)</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.280199 °	38.280199 °
				-121.600500 °	-121.600500 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43447 DS_ID:24172 EP_NO: N/A FS_HLM: 1.833 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: 03/19/2009					

Photo 2 of 3 : UCIP\_FA\_2015\_2544.jpg



View of waterward side--pump, pipe, control panel, and stairway.

Photo 3 of 3 : UCIP\_FA\_2015\_2545.jpg



Tall thin stand pipe located on landward side--unable to find pipe.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>1.92</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.97</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.310959 °	38.311288 °
				-121.597748 °	-121.596972 °
DWR ID					
Action/Comments					
Inspector Comments: 2015: Tall vertical sections into the levee slope and erosion along the toe. [2015 Site ID: STR_26-1_R]					

No Photos

LM Start	<b>1.99</b>	Rating **	M	Issue No.	<b>981</b>
LM End	<b>1.99</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.282498 °	38.282498 °
				-121.601758 °	-121.601758 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21634 DS_ID:24173 EP_NO: N/A FS_HLM: 2.007 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: 03/19/2009					

Photo 1 of 1 : UCIP\_FA\_2015\_2546.jpg



View of landward side--pump house and stand pipe.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>2.52</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.283288 °	38.288948 °	
			-121.602622 °	-121.603282 °	
DWR ID	DWR_RD0349_03_f_2015_61				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>2.52</b>	Rating **	U	Issue No.	<b>67</b>
LM End	<b>2.72</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.288948 °	38.291873 °	
			-121.603282 °	-121.603645 °	
DWR ID	DWR_RD0349_03_f_2015_67				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove this unsatisfactory growth of vegetation.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_67\_20151012\_00045.jpg



Looking downstream waterside shoulder and slope at unsatisfactory tall weeds blocking the view 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 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.56</b>	Rating **	M	Issue No.	<b>982</b>
LM End	<b>2.56</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289633 °	38.289633 °
				-121.603313 °	-121.603313 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2367.jpg



Action/Comments					
Inspector Comments: FS_ID:43423 DS_ID:24176 EP_NO: N/A FS_HLM: 2.581 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&M manual (HLM 2.7). FS Date: 03/19/2009					

Pipe visible on waterward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.56</b>	Rating **	M	Issue No.	<b>982 (cont)</b>
LM End	<b>2.56</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289633 °	38.289633 °
				-121.603313 °	-121.603313 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2368.jpg



Action/Comments					
Inspector Comments: FS_ID:43423 DS_ID:24176 EP_NO: N/A FS_HLM: 2.581 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&M manual (HLM 2.7). FS Date: 03/19/2009					

View of waterward side--dense vegetation covers 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.56</b>	Rating **	M	Issue No.	<b>982 (cont)</b>
LM End	<b>2.56</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289633 °	38.289633 °
				-121.603313 °	-121.603313 °
DWR ID					

Photo 3 of 3 : UCIP\_FA\_2015\_2369.jpg



Action/Comments					
Inspector Comments: FS_ID:43423 DS_ID:24176 EP_NO: N/A FS_HLM: 2.581 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&M manual (HLM 2.7). FS Date: 03/19/2009					

Stand pipe located 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>983</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292557 °	38.292557 °
				-121.603767 °	-121.603767 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:43424  
 DS\_ID:24177  
 EP\_NO: N/A  
 FS\_HLM: 2.787  
 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: Abandoned 8-inch pipe through the levee, 8.7 feet below the crown. Headwall and gate valve on the landward side.  
 FS Date: 03/19/2009

Photo 1 of 3 : UCIP\_FA\_2015\_2370.jpg



View of landward side--dense vegetation on slope limits inspection.

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>983 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2371.jpg



Waterward side--appears to be an erosion repair site. New pipe on waterward side and damaged pipe on landward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>983 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292557 °	38.292557 °
				-121.603767 °	-121.603767 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43424 DS_ID:24177 EP_NO: N/A FS_HLM: 2.787 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2372.jpg



View of waterward side--headwall, pipe, and gate valve.

LM Start	<b>2.88</b>	Rating **	U	Issue No.	<b>984</b>
LM End	<b>2.88</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.294080 °	38.294080 °
				-121.604260 °	-121.604260 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44387 DS_ID:24178 EP_NO: 6321 FS_HLM: 2.896 Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Pipe open at LS toe. Unable to verify if plate is welded over WS end. FIELD_STRUCT_DESC: Abandoned 8-inch steel irrigation pipe through the levee, 4.5 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on waterward shoulder. Pump on landward side. Gate valve on the waterward side. 1.5-inch filler pipe at same location. Plate welded to waterward end (Permit No. 6321-1969). FS Date: 04/09/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5913.jpg



Abandoned pump at LS toe.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	2.88	Rating **	U	Issue No.	984 (cont)
LM End	2.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.294080 °	38.294080 °
				-121.604260 °	-121.604260 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44387 DS_ID:24178 EP_NO: 6321 FS_HLM: 2.896 Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Pipe open at LS toe. Unable to verify if plate is welded over WS end. FIELD_STRUCT_DESC: Abandoned 8-inch steel irrigation pipe through the levee, 4.5 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on waterward shoulder. Pump on landward side. Gate valve on the waterward side. 1.5-inch filler pipe at same location. Plate welded to waterward end (Permit No. 6321-1969). FS Date: 04/09/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_5914.jpg



1.5-inch filler pipe and 8-inch steel irrigation pipe at LS toe.

LM Start	2.88	Rating **	U	Issue No.	984 (cont)
LM End	2.88	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_5915.jpg



Pipe and pump platform on LS toe.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.00</b>	Rating **	U	Issue No.	<b>72</b>
LM End	<b>6.50</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295798 °	38.327002 °	
			-121.604735 °	-121.576920 °	
DWR ID	DWR_RD0349_03_f_2015_72				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: This section hasn't been maintained and is completely overgrown.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_72\_20151009\_00037.jpg



Unsatisfactory tall weeds and vegetation on the landside levee slope and shoulder

LM Start	<b>3.01</b>	Rating **	U	Issue No.	<b>74</b>
LM End	<b>6.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.296030 °	38.327002 °	
			-121.604710 °	-121.576920 °	
DWR ID	DWR_RD0349_03_f_2015_74				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Looking downstream from the waterside levee slope at unsatisfactory vegetation.					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_74\_20151012\_00046.jpg



Looking downstream waterside, unsatisfactory tall vegetation blocking view of the levee slope.

LM Start	<b>3.19</b>	Rating **	U	Issue No.	<b>73</b>
LM End	<b>3.19</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\_2015\_RD0349\_206\_73\_20150915\_00012.jpg



Close up view of dead tree standing above crown roadway.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.19</b>	Rating **	U	Issue No.	<b>73 (cont)</b>
LM End	<b>3.19</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\_2015\_RD0349\_206\_73\_20150915\_00013.jpg



Dead tree above crown roadway landward.

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>985</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299703 °	38.299703 °
				-121.601112 °	-121.601112 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44389 DS_ID:24179 EP_NO: N/A FS_HLM: 3.363 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing altered--need to contact owner to obtain permit number authorizing work. 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: *DELETE* FS Date: 04/09/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_2373.jpg



View of waterward side--pump, control panel, pipe, and walkway.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>985 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299703 °	38.299703 °
				-121.601112 °	-121.601112 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44389 DS_ID:24179 EP_NO: N/A FS_HLM: 3.363 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing altered--need to contact owner to obtain permit number authorizing work. 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: *DELETE* FS Date: 04/09/2015					

Photo 2 of 3 : UCIP\_FA\_2015\_2374.jpg



View of landward side.

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>985 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_2375.jpg



Corrugated metal riser located on waterward 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>986</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299718 °	38.299718 °
				-121.601095 °	-121.601095 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44390 DS_ID:24214 EP_NO: N/A FS_HLM: 3.364 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_6835.jpg



Pipe, filter system, powerpole, and distribution box at LS toe.

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2015\_6836.jpg



Pump, electrical panel, butterfly valve, and walkway on WS 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>987</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305300 °	38.305300 °
				-121.598620 °	-121.598620 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21644 DS_ID:24180 EP_NO: 9290 FS_HLM: 3.799 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_2309.jpg



90 elbow at daylight and continues along slope and connects to pump.

Photo 2 of 3 : UCIP\_FA\_2015\_2310.jpg



View of waterward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305300 °	38.305300 °
				-121.598620 °	-121.598620 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21644 DS_ID:24180 EP_NO: 9290 FS_HLM: 3.799 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2311.jpg



Appurtenances located on waterward slope.

LM Start	<b>3.96</b>	Rating **	M	Issue No.	<b>988</b>
LM End	<b>3.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307507 °	38.307507 °
				-121.596875 °	-121.596875 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43454 DS_ID:24182 EP_NO: N/A FS_HLM: 3.985 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: 03/19/2009					

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.96</b>	Rating **	M	Issue No.	<b>989</b>
LM End	<b>3.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307519 °	38.307519 °
				-121.596876 °	-121.596876 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43456 DS_ID:24181 EP_NO: N/A FS_HLM: 3.986 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: *REMOVED* 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: 03/19/2009					

No Photos

LM Start	<b>3.96</b>	Rating **	M	Issue No.	<b>990</b>
LM End	<b>3.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307533 °	38.307533 °
				-121.596881 °	-121.596881 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43455 DS_ID:24201 EP_NO: 15503 FS_HLM: 3.987 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: 03/19/2009					

Photo 1 of 2 : UCIP\_FA\_2015\_2312.jpg



View of waterward side.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>3.96</b>	Rating **	M	Issue No.	<b>990 (cont)</b>
LM End	<b>3.96</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307533 °	38.307533 °
				-121.596881 °	-121.596881 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43455 DS_ID:24201 EP_NO: 15503 FS_HLM: 3.987 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: 03/19/2009					

Photo 2 of 2 : UCIP\_FA\_2015\_2313.jpg



Pump house located on landward side.

LM Start	<b>3.99</b>	Rating **	U	Issue No.	<b>25</b>
LM End	<b>3.99</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\_2015\_RD0349\_206\_25\_20150915\_00004.jpg



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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.20</b>	Rating **	M	Issue No.	<b>78</b>
LM End	<b>4.20</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

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>991</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310896 °	38.310896 °
				-121.596242 °	-121.596242 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43458 DS_ID:24183 EP_NO: 8681 FS_HLM: 4.2884 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: 03/19/2009					

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>992</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310905 °	38.310905 °
				-121.596226 °	-121.596226 °
DWR ID					

Photo 1 of 3 : UCIP\_FA\_2015\_2314.jpg



**Action/Comments**

Inspector Comments: FS\_ID:43457  
 DS\_ID:24184  
 EP\_NO: 8681  
 FS\_HLM: 4.288  
 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 irrigation 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: 03/19/2009

View of pipe and filter system on landward side.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>992 (cont)</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310905 °	38.310905 °
				-121.596226 °	-121.596226 °
DWR ID					

Photo 2 of 3 : UCIP\_FA\_2015\_2315.jpg



**Action/Comments**

Inspector Comments: FS\_ID:43457  
 DS\_ID:24184  
 EP\_NO: 8681  
 FS\_HLM: 4.288  
 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 irrigation 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: 03/19/2009

Pump associated with 12-inch pipe.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	4.26	Rating **	M	Issue No.	992 (cont)
LM End	4.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310905 °	38.310905 °
				-121.596226 °	-121.596226 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43457 DS_ID:24184 EP_NO: 8681 FS_HLM: 4.288 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 irrigation 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: 03/19/2009					

Photo 3 of 3 : UCIP\_FA\_2015\_2316.jpg



View of waterward side. 2 crossing visible 12-inch and 6-inch pipes.

LM Start	4.51	Rating **	C	Issue No.	82
LM End	4.51	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.					

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>993</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.313659 °	38.313659 °
				-121.592159 °	-121.592159 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:43459 DS_ID:24185 EP_NO: N/A FS_HLM: 4.583 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_2317.jpg



Pump located on waterward side is not connected.

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>993 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_FA\_2015\_2318.jpg



Waterward side--pipe visible through dense vegetation.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>993 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.313659 °	38.313659 °
				-121.592159 °	-121.592159 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43459 DS_ID:24185 EP_NO: N/A FS_HLM: 4.583 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2319.jpg



Pipe on waterward side.

LM Start	<b>4.74</b>	Rating **	U	Issue No.	<b>80</b>
LM End	<b>6.30</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.316183 °	38.329088 °
				-121.590735 °	-121.579400 °
DWR ID	DWR_RD0349_03_f_2015_80				
Action/Comments					
Keep the crown roadway free of vegetation. Inspector Comments: Unable to continue from this point, the vegetation growth present on crown road way presented an extreme fire hazard to vehicles equipped with catalytic converter					

Photo 1 of 1 : FA\_2015\_RD0349\_206\_80\_20151009\_00036.jpg



RD 349 Levee mile 4.74 looking at overgrown crown roadway. Weeds are taller than four feet. Extreme fire hazard.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.80</b>	Rating **	M	Issue No.	<b>994</b>
LM End	<b>4.80</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.316968 °	38.316968 °
				-121.590219 °	-121.590219 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43431 DS_ID:24186 EP_NO: 15359 FS_HLM: 4.838 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: 03/19/2009					

Photo 1 of 3 : UCIP\_FA\_2015\_2320.jpg



View of landward side.

LM Start	<b>4.80</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>4.80</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_FA\_2015\_2321.jpg



Air vent located on pipe on 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>4.80</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>4.80</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.316968 °	38.316968 °
				-121.590219 °	-121.590219 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43431 DS_ID:24186 EP_NO: 15359 FS_HLM: 4.838 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2322.jpg



Pipe located on waterward side.

LM Start	<b>5.04</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>5.04</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>5.06</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>5.18</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.320491 °	38.322233 °
				-121.589927 °	-121.590127 °
DWR ID					
Action/Comments					
Inspector Comments: 2015: Large Tree popout and tall vertical sections into the levee slope. [2015 Site ID: STR_26-9_L]					

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>995</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322448 °	38.322448 °
				-121.589675 °	-121.589675 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:43433 DS_ID:24188 EP_NO: N/A FS_HLM: 5.229 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: 03/19/2009					

Photo 1 of 2 : UCIP\_FA\_2015\_4373.jpg



View of waterward side--pipe and remaining appurtenances.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>995 (cont)</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322448 °	38.322448 °
				-121.589675 °	-121.589675 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:43433 DS_ID:24188 EP_NO: N/A FS_HLM: 5.229 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: 03/19/2009					

Photo 2 of 2 : UCIP\_FA\_2015\_4374.jpg



View of landwar side--pipe and stand pipe visible.

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>996</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322460 °	38.322460 °
				-121.589690 °	-121.589690 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:44391 DS_ID:24189 EP_NO: N/A FS_HLM: 5.23 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 4-inch pipe through the levee, 3.3 feet below the crown. Gate and pump on platform at the landward toe (missing). 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: 04/09/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6837.jpg



Pier on WS 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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>996 (cont)</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322460 °	38.322460 °
				-121.589690 °	-121.589690 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44391  
 DS\_ID:24189  
 EP\_NO: N/A  
 FS\_HLM: 5.23  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: Appears abandoned and if so should be done so properly.  
 FIELD\_STRUCT\_DESC: 4-inch pipe through the levee, 3.3 feet below the crown. Gate and pump on platform at the landward toe (missing). 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: 04/09/2015

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>996 (cont)</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_6838.jpg



4-inch pipe next to larger pipe on LS slope.

Photo 3 of 3 : UCIP\_FA\_2015\_6839.jpg



4-inch pipe next to larger pipe on LS slope.

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

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

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.20</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>5.20</b>	Issue Type +	Ma	Location *	LS
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

LM Start	<b>5.22</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>5.22</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

LM Start	<b>5.25</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>5.25</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

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.28</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>5.31</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

LM Start	<b>5.46</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>5.54</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>5.57</b>	Rating **	M	Issue No.	<b>997</b>
LM End	<b>5.57</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.325845 °	38.325845 °	
			-121.584890 °	-121.584890 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44392 DS_ID:24191 EP_NO: N/A FS_HLM: 5.607 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Electromagnetic survey indicated a crossing at this point. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: Abandoned 3-inch pipe through the levee, 3.0 feet below the crown. FS Date: 03/19/2009					

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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.58</b>	Rating **	U	Issue No.	<b>998</b>
LM End	<b>5.58</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.326096 °	38.326096 °
				-121.584747 °	-121.584747 °
DWR ID					

Photo 1 of 2 : UCIP\_FA\_2015\_2329.jpg



Action/Comments					
Inspector Comments: FS_ID:43436 DS_ID:24190 EP_NO: 16077 FS_HLM: 5.626 Repair Type: Urgent Crossing Status: Found UCIP Comments: Soil disturbed on landward slope--need to contact owner. Also 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, 3.8 feet below the crown. Pump in pumphouse on waterward side. Service pole on waterward slope. Concrete standpipe and distribution box at waterward toe. Pipe is exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.9). Section of pipe under crown, between shoulders, removed and replaced with 10-inch steel pipe under Permit No. 16077 (2000). FS Date: 03/19/2009					

View of landward--pipe and stand pipe visible.

<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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	5.58	Rating **	U	Issue No.	998 (cont)
LM End	5.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			38.326096 °	38.326096 °
				-121.584747 °	-121.584747 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43436 DS_ID:24190 EP_NO: 16077 FS_HLM: 5.626 Repair Type: Urgent Crossing Status: Found UCIP Comments: Soil disturbed on landward slope--need to contact owner. Also 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, 3.8 feet below the crown. Pump in pumphouse on waterward side. Service pole on waterward slope. Concrete standpipe and distribution box at waterward toe. Pipe is exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.9). Section of pipe under crown, between shoulders, removed and replaced with 10-inch steel pipe under Permit No. 16077 (2000). FS Date: 03/19/2009					

Photo 2 of 2 : UCIP\_FA\_2015\_2359.jpg



View of pipe and pump along waterward slope.

LM Start	5.83	Rating **	M	Issue No.	88
LM End	5.83	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	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 2015**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	<b>5.89</b>	Rating **	M	Issue No.	<b>90</b>
LM End	<b>5.89</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>6.02</b>	Rating **	M	Issue No.	<b>87</b>
LM End	<b>6.02</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>6.09</b>	Rating **	M	Issue No.	<b>86</b>
LM End	<b>6.09</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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