

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 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)				

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 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)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	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 - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

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

No Photos

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

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	2
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.327037 °	38.325390 °	
			-121.576978 °	-121.577402 °	
DWR ID	DWR_RD0349_01_f_2014_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This wild growth needs to be removed from the waterward levee shoulder and slope.					

Photo 1 of 1 : SP_2015_RD0349_204_2_20150415_00130.jpg



Looking downstream at unsatisfactory wild growth on the waterside shoulder.

LM Start	0.01	Rating **	U	Issue No.	1
LM End	0.97	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 : SP_2015_RD0349_204_1_20150312_00001.jpg



Unit 1 levee mile 0.00 landside unwanted tall weeds on levee slope.

LM Start	0.01	Rating **	U	Issue No.	5
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.327037 °	38.326287 °	
			-121.576980 °	-121.577076 °	
DWR ID	DWR_RD0349_01_f_2014_5				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Growth completely blocks visibility of levee section.					

Photo 1 of 1 : SP_2015_RD0349_204_5_20150415_00131.jpg



Looking downstream at the waterside. The slope is not visible through the woody tree growth.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	129
LM End	0.06	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 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					

No Photos

LM Start	0.15	Rating **	M	Issue No.	117
LM End	0.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.325157 °	38.325157 °
				-121.577472 °	-121.577472 °
DWR ID	DWR_RD0349_01_s_2015_117				
Action/Comments					
Tree or limb					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.17	Rating **	M	Issue No.	118
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324765 °	38.313142 °
				-121.577628 °	-121.578795 °
DWR ID	DWR_RD0349_01_s_2015_118				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.47	Rating **	U	Issue No.	130
LM End	0.47	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 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). Pipe sleeved through pre-existing pipe under Permit No. 3382 (1960). FS Date: 03/18/2009					

No Photos

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

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.48	Rating **	U	Issue No.	119
LM End	0.48	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.320382 °	38.320382 °	
			-121.578668 °	-121.578668 °	
DWR ID	DWR_RD0349_01_s_2015_119				
Action/Comments					
Tank Inspector Comments: There is no permit on file authorizing the placement of this tank.					

Photo 1 of 1 : SP_2015_RD0349_204_119_20150415_00132.jpg



Unauthorized tank placement on the waterside shoulder of RD 349 Unit 1.

LM Start	0.55	Rating **	M	Issue No.	7
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.319438 °	38.318873 °	
			-121.578808 °	-121.578927 °	
DWR ID	DWR_RD0349_01_f_2014_7				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.62	Rating **	M	Issue No.	122
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.318460 °	38.318460 °	
			-121.578988 °	-121.578988 °	
DWR ID	DWR_RD0349_01_s_2015_122				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim oak tree limbs off levee slope landside.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.87	Rating **	M	Issue No.	131
LM End	0.87	Issue Type +	En	Location *	LS
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 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					

No Photos

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 °
				-121.578655 °	-121.576993 °
DWR ID	DWR_RD0349_01_f_2014_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.03	Rating **	U	Issue No.	132
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 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					

No Photos

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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.19	Rating **	M	Issue No.	133
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 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					

No Photos

LM Start	1.37	Rating **	M	Issue No.	11
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.307923 °	38.307308 °
				-121.576173 °	-121.575592 °
DWR ID	DWR_RD0349_01_f_2014_11				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.37	Rating **	M	Issue No.	127
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307883 °	38.307443 °
				-121.576152 °	-121.575802 °
DWR ID	DWR_RD0349_01_s_2015_127				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.47	Rating **	M	Issue No.	134
LM End	1.47	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 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					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

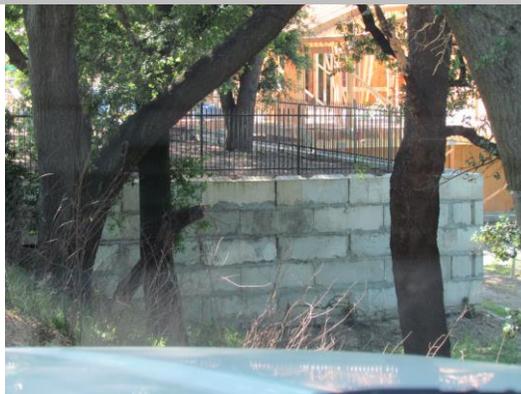
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.48	Rating **	M	Issue No.	128
LM End	1.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.306475 °	38.306475 °
				-121.575252 °	-121.575252 °
DWR ID	DWR_RD0349_01_s_2015_128				
Action/Comments					
Tree or limb					

No Photos

LM Start	1.54	Rating **	U	Issue No.	12
LM End	1.54	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 : SP_2015_RD0349_204_12_20150415_00135.jpg



View along the landside of the levee, landowner has fill, block wall, and is constructing a building on the landward levee toe.

LM Start	1.56	Rating **	U	Issue No.	13
LM End	1.58	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. No new photo for this issue was taken in spring 2015.					

Photo 1 of 1 : SP_2015_RD0349_204_13_20150312_00005.jpg



Unwanted arundo has completely blocked the view of waterward levee slope and shoulder.

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

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 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)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	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.

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	4
LM End	0.01	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. 4-14-2015. Still pending, no new photos taken.					

Photo 1 of 3 : SP_2015_RD0349_205_4_20150312_00005.jpg



Unauthorized building waterside shoulder; Unit 2 Sutter Slough. No new photo taken spring 2015.

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

Photo 2 of 3 : SP_2015_RD0349_205_4_20150312_00006.jpg



No change in the condition as of 11-2014. No new photo taken spring 2015.

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

Photo 3 of 3 : SP_2015_RD0349_205_4_20150312_00007.jpg



Unauthorized fence adjacent to building waterside Sutter Slough. No new photo taken spring 2015.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	2
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.305097 °	38.305024 °	
			-121.574930 °	-121.575155 °	
DWR ID	DWR_RD0349_02_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild growth of tall grasses from the landside levee slope.					



Looking downstream at weeds present on landside slope and toe.

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



Unwanted wild grapes present on the landward levee slope and shoulder.

LM Start	0.04	Rating **	U	Issue No.	275
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304840 °	38.304685 °	
			-121.575363 °	-121.576205 °	
DWR ID	DWR_RD0349_02_s_2015_275				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the tall weeds and brush on the waterside levee section.					



The waterside shoulder and slope covered with unsatisfactory tall weed growth. Unit 2 RD 349.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.04	Rating **	U	Issue No.	274
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304840 °	38.304151 °
				-121.575363 °	-121.577180 °
DWR ID	DWR_RD0349_02_s_2015_274				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove these wild grapes off the landside shoulder and slope that are blocking the view of the levee section.					

Photo 1 of 1 : SP_2015_RD0349_205_274_20150415_00300.jpg



Unsatisfactory growth of wild grapes present on the landward shoulder and slope.

LM Start	0.10	Rating **	M	Issue No.	281
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 °
				-121.576323 °	-121.576323 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21576 DS_ID:24145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box at the landward toe. Service pole and anchor on the landward slope. FS Date: 03/18/2009					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.10	Rating **	M	Issue No.	282
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 °
				-121.576323 °	-121.576323 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21577 DS_ID:24146 EP_NO: 2480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box with gate valve at the landward toe. Service pole and anchor on the landward slope. (Permit No. 2480-1959) FS Date: 03/18/2009					

No Photos

LM Start	0.12	Rating **	M	Issue No.	6
LM End	0.12	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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.13	Rating **	M	Issue No.	283
LM End	0.13	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 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					

No Photos

LM Start	0.14	Rating **	M	Issue No.	62
LM End	3.50	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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

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

No Photos

LM Start	0.16	Rating **	M	Issue No.	73
LM End	0.16	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

LM Start	0.16	Rating **	U	Issue No.	276
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.304055 °	38.303692 °	
			-121.577232 °	-121.577907 °	
DWR ID	DWR_RD0349_02_s_2015_276				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild grape vines from the landside levee section.					

Photo 1 of 1 : SP_2015_RD0349_205_276_20150519_00309.jpg



Wild growth on the landside levee slope and shoulder.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.21	Rating **	M	Issue No.	34
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.303640 °	38.302940 °	
			-121.578006 °	-121.579295 °	
DWR ID	DWR_RD0349_02_f_2012_34				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Land owner has Ivy planted on landward levee section.					

No Photos

LM Start	0.21	Rating **	M	Issue No.	7
LM End	0.25	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	0.26	Rating **	M	Issue No.	277
LM End	0.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.303273 °	38.297795 °	
			-121.578740 °	-121.582372 °	
DWR ID	DWR_RD0349_02_s_2015_277				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.28	Rating **	M	Issue No.	284
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 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					

No Photos

LM Start	0.29	Rating **	U	Issue No.	14
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.302970 °	38.302970 °
				-121.579262 °	-121.579262 °
DWR ID	DWR_RD0349_02_s_2015_14				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: These trees are dead and need to be cut down from levee slope.					

Photo 1 of 1 : SP_2015_RD0349_205_14_20150415_00301.jpg



Dead cherry trees on the landside toe and on the slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.34	Rating **	M	Issue No.	28
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.302358 °	38.301772 °
				-121.579707 °	-121.580093 °
DWR ID	DWR_RD0349_02_f_2014_28				
Action/Comments					
Inspector Comments: 2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2013: No observed changes. [2013 Site ID: STM_25-8_R]					

Photo 1 of 1 : SP_2015_RD0349_205_28_20150312_00015.jpg



USACE 2013 Photo #1

LM Start	0.34	Rating **	U	Issue No.	95
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.302358 °	38.302358 °
				-121.579710 °	-121.579710 °
DWR ID	DWR_RD0349_02_s_2014_95				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the unwanted wild growth from the landside slope.					

Photo 1 of 1 : SP_2015_RD0349_205_95_20150415_00302.jpg



Unwanted wild growth on the landside slope and toe.

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

Photo 1 of 1 : SP_2015_RD0349_205_13_20150415_00303.jpg



Unwanted wild snap grasses growing on the landside levee slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.45	Rating **	U	Issue No.	278
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.301037 °	38.300872 °
				-121.580675 °	-121.580718 °
DWR ID	DWR_RD0349_02_s_2015_278				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Young willow trees on landside levee slope need to be removed.					

Photo 1 of 1 : SP_2015_RD0349_205_278_20150415_00304.jpg



Unwanted growth of wild young willow trees present on the slope and toe landward.

LM Start	0.58	Rating **	M	Issue No.	285
LM End	0.58	Issue Type +	En	Location *	LS
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 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					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.60	Rating **	M	Issue No.	27
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_f_2014_27				
Action/Comments					
Inspector Comments: 2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2013: No observed changes. [2013 Site ID: STM_25-5_R]					

Photo 1 of 1 : SP_2015_RD0349_205_27_20150312_00014.jpg



USACE 2013 Photo #1

LM Start	0.69	Rating **	U	Issue No.	279
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297795 °	38.296507 °
				-121.582372 °	-121.582572 °
DWR ID	DWR_RD0349_02_s_2015_279				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the willow trees from the levee slope.					

Photo 1 of 1 : SP_2015_RD0349_205_279_20150415_00305.jpg



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

LM Start	0.71	Rating **	M	Issue No.	15
LM End	1.27	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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.82	Rating **	M	Issue No.	67
LM End	0.83	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	0.83	Rating **	M	Issue No.	12
LM End	0.89	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295753 °	38.294985 °	
			-121.582838 °	-121.583147 °	
DWR ID	DWR_RD0349_02_s_2012_12				
Action/Comments					
Landscaping					

No Photos

LM Start	0.86	Rating **	U	Issue No.	63
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.295398 °	38.295188 °	
			-121.582973 °	-121.583040 °	
DWR ID	DWR_RD0349_02_f_2014_63				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove this arundo before it starts to spread.					

Photo 1 of 1 : SP_2015_RD0349_205_63_20150415_00306.jpg



Unwanted growth of arundo growing on the waterside slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.86	Rating **	M	Issue No.	17
LM End	0.86	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	0.99	Rating **	U	Issue No.	78
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.293620 °	38.293548 °	
			-121.583499 °	-121.583524 °	
DWR ID	DWR_RD0349_02_s_2014_78				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The landowner has removed some of the Auroondo since last inspection more needs to be removed.					

Photo 1 of 1 : SP_2015_RD0349_205_78_20150415_00307.jpg



Unwanted growth of arundo on the landward levee section and levee toe.

LM Start	1.00	Rating **	U	Issue No.	77
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.293382 °	38.293298 °	
			-121.583533 °	-121.583595 °	
DWR ID	DWR_RD0349_02_s_2015_77				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This arundo at the toe of the landside levee slope should be removed					

Photo 1 of 1 : SP_2015_RD0349_205_77_20150519_00310.jpg



Mature growth of arundo on the levee toe, the landowner has been slowly removing some of this growth.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.06	Rating **	U	Issue No.	79
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.292623 °	38.292460 °	
			-121.583847 °	-121.583872 °	
DWR ID	DWR_RD0349_02_s_2014_79				
Action/Comments					
Repair slope instability. Inspector Comments: The erosion was covered over by the piles of tree trimmings, now that they are being burned the erosion can be seen.					



The erosion was covered up from view by the bruned brush pile.

LM Start	1.06	Rating **	M	Issue No.	81
LM End	3.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292525 °	38.267185 °	
			-121.583870 °	-121.588506 °	
DWR ID	DWR_RD0349_02_s_2014_81				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.08	Rating **	U	Issue No.	64
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292297 °	38.289090 °	
			-121.583972 °	-121.584080 °	
DWR ID	DWR_RD0349_02_f_2014_64				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: View of levee slope has been blocked by the wild growth of snap grasses.					



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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

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

No Photos

LM Start	1.10	Rating **	M	Issue No.	44
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292080 °	38.292080 °
				-121.584026 °	-121.584026 °
DWR ID	DWR_RD0349_02_s_2013_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.14	Rating **	U	Issue No.	82
LM End	1.33	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291501 °	38.288734 °
				-121.584165 °	-121.584013 °
DWR ID	DWR_RD0349_02_s_2014_82				
Action/Comments					
Prunings Inspector Comments: This issue of tree clippings has not been burned or removed from the waterward levee section. No change since last inspection.					

Photo 1 of 1 : SP_2015_RD0349_205_82_20150519_00312.jpg



Tree trimmings at the water's edge blocks the view of the bank.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.31	Rating **	M	Issue No.	18
LM End	1.33	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	1.33	Rating **	M	Issue No.	24
LM End	1.33	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

LM Start	1.33	Rating **	U	Issue No.	83
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.288735 °	38.288731 °	
			-121.584013 °	-121.584011 °	
DWR ID	DWR_RD0349_02_s_2014_83				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody growth. Unable to see ground or do a flood fight.					

Photo 1 of 1 : SP_2015_RD0349_205_83_20150312_00032.jpg



Woody tree growth blocks view of landside levee section.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.33	Rating **	U	Issue No.	26
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2014_26				
Action/Comments					
Inspector Comments: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2013: No observed changes. [2013 Site ID: STM_24-7_R]					

Photo 1 of 1 : SP_2015_RD0349_205_26_20150312_00013.jpg



USACE 2013 Photo #1

LM Start	1.33	Rating **	U	Issue No.	9
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288665 °	38.288428 °
				-121.584010 °	-121.584032 °
DWR ID	DWR_RD0349_02_s_2015_9				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: These trees need to be thinned out so the slope can be seen.					

Photo 1 of 1 : SP_2015_RD0349_205_9_20150519_00308.jpg



Wild tree growth blocks view of landside levee slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.39	Rating **	M	Issue No.	286
LM End	1.39	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 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					

No Photos

LM Start	1.48	Rating **	M	Issue No.	37
LM End	1.65	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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.49	Rating **	M	Issue No.	86
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286720 °	38.285706 °
				-121.585194 °	-121.586872 °
DWR ID	DWR_RD0349_02_s_2014_86				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.63	Rating **	M	Issue No.	287
LM End	1.63	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 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					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.84	Rating **	M	Issue No.	288
LM End	1.84	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 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.9 feet below the crown. Siphon breaker in concrete riser on the landward shoulder. Pump and gate valve in pumphouse on the waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.9). FS Date: 03/18/2009					

No Photos

LM Start	1.84	Rating **	M	Issue No.	280
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283028 °	38.275805 °
				-121.589410 °	-121.591412 °
DWR ID	DWR_RD0349_02_s_2015_280				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.91	Rating **	M	Issue No.	65
LM End	1.94	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	2.04	Rating **	M	Issue No.	23
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_f_2014_23				
Action/Comments					
Inspector Comments: 2011 - Small scallop caused by erosion and wave wash. 2013: No observed changes. [2013 Site ID: STM_24-1_R]					

Photo 1 of 1 : SP_2015_RD0349_205_23_20150312_00012.jpg



USACE 2013 Photo #1

LM Start	2.11	Rating **	M	Issue No.	21
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID	DWR_RD0349_02_f_2014_21				
Action/Comments					
Inspector Comments: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013: Short vertical sections observed at upstream end. [2013 Site ID: STM_23-9_R]					

Photo 1 of 1 : SP_2015_RD0349_205_21_20150312_00011.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.16	Rating **	M	Issue No.	289
LM End	2.16	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					
Action/Comments					
Inspector Comments: FS_ID:21609 DS_ID:24157 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris scattered--need to contact owner. If crossing is not in used will need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe sleeved through 12-inch pipe through the levee, 4.0 feet below the crown. Annular gap not grouted. Service pole on the waterward shoulder. Pump on the waterward side. Concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.3). FS Date: 03/18/2009					

No Photos

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 °
				-121.590437 °	-121.591171 °
DWR ID	DWR_RD0349_02_f_2013_38				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.36	Rating **	M	Issue No.	88
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275784 °	38.275690 °	
			-121.591359 °	-121.591322 °	
DWR ID	DWR_RD0349_02_s_2014_88				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the arundo from the landward levee section.					

No Photos

LM Start	2.38	Rating **	U	Issue No.	94
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275585 °	38.275275 °	
			-121.591327 °	-121.591035 °	
DWR ID	DWR_RD0349_02_s_2014_94				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the arundo from the levee slope.					

Photo 1 of 1 : SP_2015_RD0349_205_94_20150519_00313.jpg



Arundo on the landside blocking view of the slope.

LM Start	2.39	Rating **	U	Issue No.	1
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.275403 °	38.275403 °	
			-121.591229 °	-121.591229 °	
DWR ID	DWR_RD0349_02_f_2013_1				
Action/Comments					
Stairway Inspector Comments: The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope. No new photo.					

Photo 1 of 2 : SP_2015_RD0349_205_1_20150312_00001.jpg



Unsatisfactory steps placed on waterward slope and toe. No new photo.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.39	Rating **	U	Issue No.	1 (cont)
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275403 °	38.275403 °
				-121.591229 °	-121.591229 °
DWR ID	DWR_RD0349_02_f_2013_1				
Action/Comments					
Stairway Inspector Comments: The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope. No new photo.					

Photo 2 of 2 : SP_2015_RD0349_205_1_20150312_00002.jpg



Unauthorized boat dock at end of steps. No new photo.

LM Start	2.40	Rating **	M	Issue No.	290
LM End	2.40	Issue Type +	En	Location *	WS
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 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limit the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure on waterward side, walkway to pump. Concrete distribution box and power pole with anchor at landward toe. Concrete standpipe on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.5). FS Date: 03/18/2009					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.50	Rating **	M	Issue No.	89
LM End	2.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.274376 °	38.272052 °	
			-121.589604 °	-121.589683 °	
DWR ID	DWR_RD0349_02_s_2014_89				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.56	Rating **	M	Issue No.	19
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.273854 °	38.271998 °	
			-121.588745 °	-121.589424 °	
DWR ID	DWR_RD0349_02_f_2014_19				
Action/Comments					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2013: No observed changes. [2013 Site ID: STM_23-6_R]					

Photo 1 of 2 : SP_2015_RD0349_205_19_20150312_00009.jpg



USACE 2013 Photo #1

LM Start	2.56	Rating **	M	Issue No.	19 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0349_205_19_20150312_00010.jpg



USACE 2013 Photo #2

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.87	Rating **	U	Issue No.	91
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269510 °	38.269276 °
				-121.589801 °	-121.589730 °
DWR ID	DWR_RD0349_02_s_2014_91				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control the wild growth of wild roses and snap grasses on the landside levee slope and toe.					

Photo 1 of 1 : SP_2015_RD0349_205_91_20150312_00034.jpg



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

LM Start	2.88	Rating **	M	Issue No.	92
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269276 °	38.268013 °
				-121.589729 °	-121.588948 °
DWR ID	DWR_RD0349_02_s_2014_92				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Unable to see levee slope due to woody tree growth.					

Photo 1 of 1 : SP_2015_RD0349_205_92_20150312_00035.jpg



Woody tree growth blocking view of landward levee section.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.95	Rating **	M	Issue No.	291
LM End	2.95	Issue Type +	En	Location *	LS
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 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					

No Photos

LM Start	2.98	Rating **	M	Issue No.	93
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268013 °	38.266893 °
				-121.588947 °	-121.588425 °
DWR ID	DWR_RD0349_02_s_2014_93				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.00	Rating **	U	Issue No.	66
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.267767 °	38.262698 °
				-121.588832 °	-121.590782 °
DWR ID	DWR_RD0349_02_f_2014_66				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild young willow trees and tall weeds from the waterward shoulder and slope.					

Photo 1 of 1 : SP_2015_RD0349_205_66_20150519_00314.jpg



Wild growth of tall weeds on the waterside slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.01	Rating **	U	Issue No.	53
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267663 °	38.267190 °
				-121.588779 °	-121.588517 °
DWR ID	DWR_RD0349_02_s_2013_53				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody tree growth need removing from landward levee section, unable to see the slope.					

Photo 1 of 1 : SP_2015_RD0349_205_53_20150519_00315.jpg



Woody tree growth blocks the view of the shoulder and 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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.29	Rating **	U	Issue No.	40
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.263565 °	38.262533 °	
			-121.588618 °	-121.593562 °	
DWR ID	DWR_RD0349_02_s_2015_40				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the snap grass and weeds.					

Photo 1 of 1 : SP_2015_RD0349_205_40_20150519_00316.jpg



Tall snap grass covering the landside slope.

LM Start	3.33	Rating **	M	Issue No.	294
LM End	3.33	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 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					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.37	Rating **	M	Issue No.	3
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_f_2014_3				
Action/Comments					
Inspector Comments: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2013: No observed changes. [2013 Site ID: STM_22-8_R]					

Photo 1 of 1 : SP_2015_RD0349_205_3_20150312_00004.jpg



USACE 2013 Photo #1

LM Start	3.49	Rating **	A/W	Issue No.	55
LM End	3.56	Issue Type +	Ma	Location *	WS
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	3.61	Rating **	M	Issue No.	56
LM End	4.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262430 °	38.254765 °
				-121.593805 °	-121.599672 °
DWR ID	DWR_RD0349_02_f_2013_56				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.62	Rating **	M	Issue No.	43
LM End	3.70	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	3.64	Rating **	M	Issue No.	58
LM End	3.65	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	3.72	Rating **	M	Issue No.	22
LM End	3.73	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.261111 °	38.261001 °	
			-121.595062 °	-121.595052 °	
DWR ID	DWR_RD0349_02_s_2012_22				
Action/Comments					
Landscaping					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.75	Rating **	U	Issue No.	69
LM End	3.93	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.260718 °	38.258162 °	
			-121.595245 °	-121.595175 °	
DWR ID	DWR_RD0349_02_f_2014_69				
Action/Comments					
Fence Inspector Comments: This electric fence has not been authorized.					

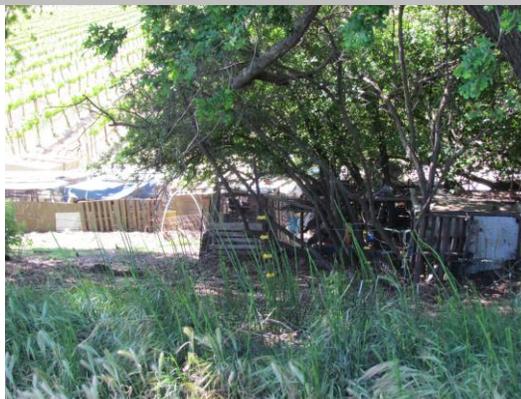
Photo 1 of 1 : SP_2015_RD0349_205_69_20150519_00317.jpg



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

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

Photo 1 of 1 : SP_2015_RD0349_205_59_20150519_00318.jpg



Unauthorized fences and animal storage pens on the landside slope and toe.

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

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/14/2015 04/14/2015	Herman Phillips

LM Start	4.28	Rating **	M	Issue No.	45
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254833 °	38.254833 °	
			-121.599282 °	-121.599282 °	
DWR ID	DWR_RD0349_02_s_2015_45				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Unwanted arundo on waterside shoulder.					

No Photos

LM Start	4.30	Rating **	U	Issue No.	60
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254767 °	38.254718 °	
			-121.599670 °	-121.599843 °	
DWR ID	DWR_RD0349_02_f_2013_60				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This arundo need to be removed from the levee section. This Arundo was reported during the last inspection.					

Photo 1 of 1 : SP_2015_RD0349_205_60_20150519_00319.jpg



Arundo on the waterside levee shoulder and slope.

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

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 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)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	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 - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255094 °	38.257482 °	
			-121.600101 °	-121.599740 °	
DWR ID	DWR_RD0349_03_s_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control the wild weeds from the levee slope.					

Photo 1 of 1 : SP_2015_RD0349_206_1_20150520_00355.jpg



Looking downstream from waterside at tall weeds.

LM Start	0.03	Rating **	U	Issue No.	6
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255206 °	38.271625 °	
			-121.600080 °	-121.603410 °	
DWR ID	DWR_RD0349_03_f_2013_6				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove this wild growth from the levee slope and toe.					

Photo 1 of 1 : SP_2015_RD0349_206_6_20150520_00353.jpg



View downstream at the landside slope with tall weeds and wild berries present on the levee slope and toe.

LM Start	0.08	Rating **	U	Issue No.	7
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255926 °	38.257883 °	
			-121.599950 °	-121.599773 °	
DWR ID	DWR_RD0349_03_f_2013_7				
Action/Comments					
Trees / Woody Vegetation Inspector Comments: Remove the unwanted growth from landward levee section.					

Photo 1 of 1 : SP_2015_RD0349_206_7_20150520_00354.jpg



Wild growth of trees and other vegetation on the landside slope and toe.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.49	Rating **	U	Issue No.	60
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.261763 °	38.264650 °	
			-121.600695 °	-121.601304 °	
DWR ID	DWR_RD0349_03_s_2014_60				
Action/Comments					
Fence Inspector Comments: There is no permit for this electric fence on the landside levee section. It should be removed.					

Photo 1 of 2 : SP_2015_RD0349_206_60_20150520_00356.jpg



View of an unauthorized electric wire fence stretching downstream along the landside shoulder.

LM Start	0.49	Rating **	U	Issue No.	60 (cont)
LM End	0.69	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0349_206_60_20150520_00357.jpg



View of the fence down the landside slope to toe of levee.

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

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

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

No Photos

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

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.77	Rating **	M	Issue No.	972
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 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					

No Photos

LM Start	0.81	Rating **	M	Issue No.	70
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266223 °	38.266958 °
				-121.601825 °	-121.602112 °
DWR ID	DWR_RD0349_03_f_2014_70				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.89	Rating **	U	Issue No.	18
LM End	1.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.267390 °	38.271625 °	
			-121.602327 °	-121.603410 °	
DWR ID	DWR_RD0349_03_s_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the tall weeds on the waterside levee section.					

Photo 1 of 1 : SP_2015_RD0349_206_18_20150520_00358.jpg



Unacceptable tall weeds on the waterside shoulder and slope.

LM Start	0.91	Rating **	M	Issue No.	13
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.267608 °	38.267621 °	
			-121.602446 °	-121.602455 °	
DWR ID	DWR_RD0349_03_s_2013_13				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	0.91	Rating **	M	Issue No.	973
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 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Unable to determine if filter system is part of crossing appurtenances. 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: 12-inch pipe through the levee, approximately 2.0 feet below the crown. Pipe changes diameter, 10-inch along both shoulders and 8-inch diameter exit on waterward side. Pipe exposed along both slopes. Pump on waterward side. Filtration system and power pole on landward side. Rock revetment on waterward slope. FS Date: 10/03/2013					

No Photos

LM Start	0.94	Rating **	U	Issue No.	57
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268082 °	38.269742 °
				-121.602737 °	-121.603467 °
DWR ID	DWR_RD0349_03_s_2015_57				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the tall weeds from the levee section.					

Photo 1 of 1 : SP_2015_RD0349_206_57_20150520_00359.jpg



Looking downstream of the landside shoulder and slope covered with tall weeds.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

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.					

Photo 1 of 1 : SP_2015_RD0349_206_971_20150312_00017.jpg



Woody tree growth on landward levee slope.

LM Start	1.09	Rating **	U	Issue No.	331
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.270075 °	38.270075 °	
			-121.603542 °	-121.603542 °	
DWR ID	DWR_RD0349_03_s_2015_331				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: This tree is dead and need to be removed from the landside levee section.					

Photo 1 of 1 : SP_2015_RD0349_206_331_20150520_00360.jpg



Looking along the levee slope at a cluster of dead trees blocking the view of the levee and making it hard to do flood fight.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.17	Rating **	M	Issue No.	974
LM End	1.17	Issue Type +	En	Location *	LS
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 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					

No Photos

LM Start	1.27	Rating **	M	Issue No.	975
LM End	1.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272532 °	38.272532 °
				-121.603039 °	-121.603039 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21675 DS_ID:24168 EP_NO: 11744 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe and 2-inch electric conduit through the levee, both 4.4 feet below the crown. Reduced to 12-inch steel pipe under both levee slopes. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Slant pump on waterward side with staircase access. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976) FS Date: 03/19/2009					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.28	Rating **	M	Issue No.	976
LM End	1.28	Issue Type +	En	Location *	LS
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 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					

No Photos

LM Start	1.31	Rating **	U	Issue No.	332
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.273238 °	38.274147 °
				-121.602667 °	-121.602082 °
DWR ID	DWR_RD0349_03_s_2015_332				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove the small oak trees at the levee toe.					

Photo 1 of 1 : SP_2015_RD0349_206_332_20150520_00361.jpg



Small oak trees present along the toe of the landside levee slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.31	Rating **	N	Issue No.	63
LM End	1.31	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

LM Start	1.47	Rating **	U	Issue No.	64
LM End	1.47	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 : SP_2015_RD0349_206_64_20150312_00009.jpg



Cut up fallen tree on waterside slope.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	1.50	Rating **	M	Issue No.	979
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21632 DS_ID:24171 EP_NO: 2954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 3 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Metal cutoff wall around pipe at landward shoulder. Siphon breakers on waterward slope. Two anchor posts driven into levee on each side of pipe. Pumps on platform on landward side. (Permit No. 2954-1959) FS Date: 03/19/2009					

No Photos

LM Start	1.79	Rating **	U	Issue No.	333
LM End	3.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279757 °	38.303712 °
				-121.600362 °	-121.599318 °
DWR ID	DWR_RD0349_03_s_2015_333				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the wild growth from the landside levee slope and toe.					

Photo 1 of 1 : SP_2015_RD0349_206_333_20150522_00363.jpg



Tall weeds on the landside levee slope and wild growth on the landside toe.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.01	Rating **	M	Issue No.	981
LM End	2.01	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 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					

No Photos

LM Start	2.49	Rating **	M	Issue No.	335
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.288562 °	38.289322 °
				-121.603303 °	-121.603297 °
DWR ID	DWR_RD0349_03_s_2015_335				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	2.90	Rating **	U	Issue No.	984
LM End	2.90	Issue Type +	En	Location *	LS
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 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					

No Photos

LM Start	3.19	Rating **	U	Issue No.	73
LM End	3.19	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 1 : SP_2015_RD0349_206_73_20150522_00365.jpg



Remove this dead tree from the landside levee slope. If it falls it will block the levee crown roadway.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.22	Rating **	M	Issue No.	68
LM End	3.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298645 °	38.298645 °
				-121.602782 °	-121.602782 °
DWR ID	DWR_RD0349_03_s_2014_68				
Action/Comments					
Tree or limb Inspector Comments: Dead tree on landward toe.					

No Photos

LM Start	3.36	Rating **	M	Issue No.	985
LM End	3.36	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 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					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.36	Rating **	M	Issue No.	986
LM End	3.36	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 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walway and pier abandoned and appears to be a hazard that should be removed. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 5.8-feet below the crown. Pump, butterfly valve, and electrical panel on WS slope. Pier and walkway next to pump on WS slope. Power pole, filters, and distribution box at LS toe. FS Date: 04/09/2015					

No Photos

LM Start	3.80	Rating **	M	Issue No.	987
LM End	3.80	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 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch steel electrical conduit through the levee, both 4.0 feet below the crown. Steel cutoff wall around pipe and conduit at center of levee. Pump and gate valve on waterward slope. 6-inch intake pipe extends from pump into channel. Distribution system at landward toe. (Permit No. 9290-1975) FS Date: 03/19/2009					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.99	Rating **	M	Issue No.	988
LM End	3.99	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 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

LM Start	3.99	Rating **	M	Issue No.	989
LM End	3.99	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 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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	3.99	Rating **	M	Issue No.	990
LM End	3.99	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 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					

No Photos

LM Start	4.00	Rating **	M	Issue No.	27
LM End	5.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.308073 °	38.329031 °
				-121.597079 °	-121.585235 °
DWR ID	DWR_RD0349_03_s_2012_27				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	4.00	Rating **	U	Issue No.	25
LM End	4.00	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.308088 °	38.308088 °	
			-121.597075 °	-121.597075 °	
DWR ID	DWR_RD0349_03_s_2012_25				
Action/Comments					
Fence Inspector Comments: Unauthorized cable gate crossing the 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 : SP_2015_RD0349_206_25_20150527_00370.jpg



View of an unauthorized cable gate.

LM Start	4.02	Rating **	U	Issue No.	336
LM End	6.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.308422 °	38.328670 °	
			-121.597297 °	-121.578825 °	
DWR ID	DWR_RD0349_03_s_2015_336				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild weed growth on the landside levee section.					

Photo 1 of 1 : SP_2015_RD0349_206_336_20150522_00366.jpg



Unsatisfactory tall weed growth on the landside levee shoulder and slope.

LM Start	4.17	Rating **	M	Issue No.	337
LM End	4.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.310273 °	38.318637 °	
			-121.597670 °	-121.589557 °	
DWR ID	DWR_RD0349_03_s_2015_337				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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 - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	4.20	Rating **	M	Issue No.	78
LM End	4.20	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: The dead tree needs to be removed from the levee section.					

No Photos

LM Start	4.28	Rating **	M	Issue No.	79
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.311067 °	38.311160 °	
			-121.595910 °	-121.595648 °	
DWR ID	DWR_RD0349_03_f_2014_79				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	4.29	Rating **	M	Issue No.	992
LM End	4.29	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 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

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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	4.58	Rating **	M	Issue No.	993
LM End	4.58	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 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to					

No Photos

LM Start	4.67	Rating **	M	Issue No.	338
LM End	4.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.315220 °	38.315220 °	
			-121.591257 °	-121.591257 °	
DWR ID	DWR_RD0349_03_s_2015_338				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	4.73	Rating **	U	Issue No.	339
LM End	6.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.316073 °	38.328670 °	
			-121.590805 °	-121.578825 °	
DWR ID	DWR_RD0349_03_s_2015_339				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control the weed growth on the waterside levee shoulder and slope. The crown roadway should not have weeds covering it.					

Photo 1 of 1 : SP_2015_RD0349_206_339_20150522_00367.jpg



View of unwanted tall weed growth on the waterside levee slope, shoulder, and crown roadway.

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	4.97	Rating **	M	Issue No.	341
LM End	4.97	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.319300 °	38.319300 °	
			-121.589627 °	-121.589627 °	
DWR ID	DWR_RD0349_03_s_2015_341				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	5.04	Rating **	M	Issue No.	42
LM End	5.04	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	5.15	Rating **	M	Issue No.	342
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.321840 °	38.321840 °	
			-121.589755 °	-121.589755 °	
DWR ID	DWR_RD0349_03_s_2015_342				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	5.23	Rating **	M	Issue No.	995
LM End	5.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322448 °	38.322448 °
				-121.589675 °	-121.589675 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43433 DS_ID:24188 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walkway is no longer functional. Need to contact owner--if crossing is no longer used owner will need to coordinate with DWR Inspector and CVFPB. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 6.2 feet below the crown. Pump and control panel on piling structure in stream, with walkway. Service pole and concrete standpipe on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.5). FS Date: 03/19/2009					

No Photos

LM Start	5.23	Rating **	M	Issue No.	996
LM End	5.23	Issue Type +	En	Location *	LS
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 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					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	5.28	Rating **	M	Issue No.	32
LM End	5.31	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	5.40	Rating **	M	Issue No.	17
LM End	6.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.323960 °	38.327893 °	
			-121.587684 °	-121.578119 °	
DWR ID	DWR_RD0349_03_s_2012_17				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	5.44	Rating **	M	Issue No.	344
LM End	5.44	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.324222 °	38.324222 °	
			-121.585808 °	-121.585808 °	
DWR ID	DWR_RD0349_03_s_2015_344				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	5.46	Rating **	M	Issue No.	38
LM End	5.54	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	5.59	Rating **	M	Issue No.	84
LM End	6.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.326183 °	38.329088 °	
			-121.584770 °	-121.579400 °	
DWR ID	DWR_RD0349_03_f_2014_84				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.61	Rating **	M	Issue No.	997
LM End	5.61	Issue Type +	En	Location *	WS
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 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

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

LM Start	5.63	Rating **	U	Issue No.	998
LM End	5.63	Issue Type +	En	Location *	WS
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 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					

No Photos

LM Start	5.70	Rating **	M	Issue No.	89
LM End	5.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.327758 °	38.327758 °
				-121.584920 °	-121.584920 °
DWR ID	DWR_RD0349_03_f_2014_89				
Action/Comments					
Tree or limb					

No Photos

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

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/14/2015 04/14/2015	Herman Phillips

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

LM Start	5.89	Rating **	M	Issue No.	90
LM End	5.89	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	6.02	Rating **	M	Issue No.	87
LM End	6.02	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

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