

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0001 Sutter Maintenance Yard Maintenance Area 0001	Overall LMA Rating	Total LMA Miles						
	A	16.76						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.24%	0.05			
Encroachments					1.83	1.26		
<i>Supplemental</i>								
USACE Erosion Survey	0.24		0.24	1.43%				
DWR UCIP Field Study					0.32	0.11		
<i>LMA Totals:</i>	0.28	0.00	0.28	1.67%	2.20	1.37	0.00	0.00

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

Sutter Maintenance Yard Maintenance Area 0001

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0001

Waterway		Bank	Unit Miles	
Unit No. 01 Sacramento River		Right	16.76	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/11/2014 - 03/11/2014		10/23/2014 - 10/23/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_MA0001_01_s_2013_19				
Action/Comments					
Inspector Comments: The LMA has emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_MA0001_01_s_2013_28				
Action/Comments					
Inspector Comments: The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	29
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_MA0001_01_s_2013_29				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	0.04	Rating **	U	Issue No.	2
LM End	0.23	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.213988 °	39.215198 °	
			-122.001537 °	-122.004775 °	
DWR ID	DWR_MA0001_01_s_2012_2				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_MA0001_297_2_20141013_00003.jpg



View of the building along the L/S toe.

LM Start	0.69	Rating **	U	Issue No.	7
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.216533 °	39.216680 °	
			-122.012512 °	-122.012907 °	
DWR ID	DWR_MA0001_01_s_2012_7				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_MA0001_297_7_20141013_00006.jpg



View of the buildings along the L/S toe.

LM Start	0.80	Rating **	U	Issue No.	8
LM End	0.95	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.217282 °	39.218215 °	
			-122.014290 °	-122.016538 °	
DWR ID	DWR_MA0001_01_s_2012_8				
Action/Comments					
Building					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	1.96	Rating **	M	Issue No.	593
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.231866 °	39.231866 °	
			-122.015442 °	-122.015442 °	
DWR ID	DWR_MA0001_01_f_2014_593				
Action/Comments					
<p>Inspector Comments: FS_ID:38381 EP_NO: 9487 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment 2/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18). FS Date: 6/23/2014 1:23:10 PM</p>					

No Photos

LM Start	1.96	Rating **	M	Issue No.	594
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.231880 °	39.231880 °	
			-122.015432 °	-122.015432 °	
DWR ID	DWR_MA0001_01_f_2014_594				
Action/Comments					
<p>Inspector Comments: FS_ID:38382 EP_NO: 9487 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris 2/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18). FS Date: 6/23/2014 1:23:54 PM</p>					

No Photos

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	2.28	Rating **	M	Issue No.	595
LM End	2.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID	DWR_MA0001_01_f_2014_595				
Action/Comments					
Inspector Comments: FS_ID:38383 EP_NO: 9472 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 54-inch corrugated metal drain pipe through the levee. Slide gate in CMP riser on the waterward slope. 48-inch corrugated metal pipe at landward slope. This crossing crosses the levee at an angle. (ABO No. 9472-1974, Ballard) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+00) dated 1955. FS Date: 6/23/2014 1:24:54 PM					

No Photos

LM Start	2.30	Rating **	M	Issue No.	596
LM End	2.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID	DWR_MA0001_01_f_2014_596				
Action/Comments					
Inspector Comments: FS_ID:38384 EP_NO: 9467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only riser visible. Debris and sediment blocking gate. Gate inside riser is buried and non-functional. If crossing is abandoned, owner needs to properly abandon. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0132 no culvert through the levee is visible here 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through levee. Slide gate in CMP riser on the waterward slope. (ABO No. 9467-1974, Lovell E. Spurgeon) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+60) FS Date: 6/23/2014 1:25:38 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	3.40	Rating **	M	Issue No.	599
LM End	3.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.250843 °	39.250843 °
				-122.007992 °	-122.007992 °
DWR ID	DWR_MA0001_01_f_2014_599				
Action/Comments					
Inspector Comments: FS_ID:38388 EP_NO: 9490 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward to 7/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch drain pipe through the levee. Slide gate in CMP riser on the waterward slope. (Permit No. 9490-1955) This entry matches the Drainage and Irrigation structure referenced in O&M manual (Station 177+67). (USACE-1955) FS Date: 6/23/2014 1:29:20 PM					

No Photos

LM Start	3.76	Rating **	M	Issue No.	600
LM End	3.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID	DWR_MA0001_01_f_2014_600				
Action/Comments					
Inspector Comments: FS_ID:38409 EP_NO: 4213 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommend adding door to LS concrete structure. Riser located on landward side is damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194 no issues logged 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee. Gate valve on waterward shoulder. 1-1/4 inch conduit through the levee. Siphon breaker on the landward shoulder. Concrete pump house. (Permit No. 4213-1973, Scott Ranch) FS Date: 6/23/2014 2:03:00 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	3.79	Rating **	M	Issue No.	601
LM End	3.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256189 °	39.256189 °
				-122.009957 °	-122.009957 °
DWR ID	DWR_MA0001_01_f_2014_601				
Action/Comments					
Inspector Comments: FS_ID:38390 EP_NO: 9490 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues logged 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe (CMP) through levee. Concrete distribution box with pump system located on landward side. Slide gate on the waterward slope removed. (ABO No. 9490-1974, Charles T & Virginia W. Yerxa) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 197+19). FS Date: 6/23/2014 1:30:49 PM					

No Photos

LM Start	3.85	Rating **	M	Issue No.	602
LM End	3.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256553 °	39.256553 °
				-122.010912 °	-122.010912 °
DWR ID	DWR_MA0001_01_f_2014_602				
Action/Comments					
Inspector Comments: FS_ID:38391 EP_NO: 9489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee. Slide gate in CMP riser on the waterward slope. 6 foot by 6 foot concrete box on the waterward berm . Additional 12-inch pipe inside concrete distribution box. (ABO No. 9489-1974, Mayfair Farms Inc.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 198+00). FS Date: 6/23/2014 1:33:19 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	3.87	Rating **	M	Issue No.	603
LM End	3.87	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.256606 °	39.256606 °	
			-122.011115 °	-122.011115 °	
DWR ID	DWR_MA0001_01_f_2014_603				
Action/Comments					
Inspector Comments: FS_ID:38392 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 18 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+20). (USACE, 1955) FS Date: 6/23/2014 1:34:49 PM					

No Photos

LM Start	3.96	Rating **	M	Issue No.	50
LM End	3.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.257125 °	39.257125 °	
			-122.012648 °	-122.012648 °	
DWR ID	DWR_MA0001_01_f_2013_50				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_MA0001_297_50_20141013_00011.jpg



View of the elderberry on the landside 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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	4.04	Rating **	M	Issue No.	604
LM End	4.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °
DWR ID	DWR_MA0001_01_f_2014_604				
Action/Comments					
Inspector Comments: FS_ID:38393 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing 7/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris 2/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee. Walkway to slide gate on waterward end. Walkway has been removed. Flap gate in concrete distribution box at the landward toe. (ABO - Wilcox) FS Date: 6/23/2014 1:36:01 PM					

No Photos

LM Start	4.75	Rating **	M	Issue No.	605
LM End	4.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.266435 °	39.266435 °
				-122.010943 °	-122.010943 °
DWR ID	DWR_MA0001_01_f_2014_605				
Action/Comments					
Inspector Comments: FS_ID:38394 EP_NO: 9475 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 16.1 feet below the crown. Slide gate on the waterward end. (ABO No. 9475-1974, Mattie B. Zumwalt Co.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 247+86). FS Date: 6/23/2014 1:38:04 PM					

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**

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Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	5.84	Rating **	M	Issue No.	607
LM End	5.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID	DWR_MA0001_01_f_2014_607				
Action/Comments					
Inspector Comments: FS_ID:38396 EP_NO: 9476 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger) FS Date: 6/23/2014 1:40:23 PM					

No Photos

LM Start	5.84	Rating **	M	Issue No.	608
LM End	5.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID	DWR_MA0001_01_f_2014_608				
Action/Comments					
Inspector Comments: FS_ID:38397 EP_NO: 9476 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. Slide gate located on waterward. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger) FS Date: 6/23/2014 1:43:04 PM					

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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Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	5.89	Rating **	M	Issue No.	35
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.272773 °	39.272773 °	
			-122.023290 °	-122.023290 °	
DWR ID	DWR_MA0001_01_s_2012_35				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	6.11	Rating **	C	Issue No.	74
LM End	6.11	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.275876 °	39.275876 °	
			-122.023567 °	-122.023567 °	
DWR ID	DWR_MA0001_01_s_2014_74				
Action/Comments					
Tree or limb					

No Photos

LM Start	6.24	Rating **	C	Issue No.	75
LM End	6.24	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.277656 °	39.277656 °	
			-122.022936 °	-122.022936 °	
DWR ID	DWR_MA0001_01_s_2014_75				
Action/Comments					
Prunings					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	6.34	Rating **	M	Issue No.	76
LM End	6.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.278917 °	39.278917 °
				-122.022595 °	-122.022595 °
DWR ID	DWR_MA0001_01_s_2014_76				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0001_297_76_20141013_00014.jpg



View of the prunings along the landside toe.

LM Start	6.37	Rating **	U	Issue No.	609
LM End	6.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID	DWR_MA0001_01_f_2014_609				
Action/Comments					
Inspector Comments: FS_ID:38400 EP_NO: 4203 Repair Type: Urgent Crossing Status: Found UCIP Comments: Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. There is no way to stop water from flowing though pipe during high water times. FIELD_STRUCT_DESC: 36-inch pipe through the levee. Slide gate in CMP riser on the waterward slope. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 331+31). FS Date: 6/23/2014 1:48:45 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	6.51	Rating **	A/W	Issue No.	77
LM End	6.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.281364 °	39.281364 °
				-122.022038 °	-122.022038 °
DWR ID	DWR_MA0001_01_s_2014_77				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0001_297_77_20141013_00015.jpg



View of the prunings along the landside toe.

LM Start	6.54	Rating **	M	Issue No.	610
LM End	6.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.281721 °	39.281721 °
				-122.021894 °	-122.021894 °
DWR ID	DWR_MA0001_01_f_2014_610				
Action/Comments					
<p>Inspector Comments: FS_ID:38401 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible) 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 72-inch corrugated metal drain (precast concrete) pipe through the levee, blocked on waterward end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landward shoulder. Concrete headwall at both toes. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 339+74) FS Date: 6/23/2014 1:50:56 PM</p>					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	7.14	Rating **	M	Issue No.	611
LM End	7.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID	DWR_MA0001_01_f_2014_611				
Action/Comments					
Inspector Comments: FS_ID:38402 EP_NO: 9482 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955)(ABO No. 9482-1974, Elizabeth M. Farnsworth). FS Date: 6/23/2014 1:54:24 PM					

No Photos

LM Start	7.14	Rating **	M	Issue No.	612
LM End	7.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290169 °	39.290169 °
				-122.021532 °	-122.021532 °
DWR ID	DWR_MA0001_01_f_2014_612				
Action/Comments					
Inspector Comments: FS_ID:38403 EP_NO: 9482 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment 2/17/2013 WS screw gate was closed and buried by soil again 6/23/2014 Same as last inspection. Soli dug out again and water flowing through crossing. FIELD_STRUCT_DESC: 2 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955). (ABO No. 9482-1974, Elizabeth M. Farnsworth) FS Date: 6/23/2014 1:55:11 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	7.87	Rating **	M	Issue No.	52
LM End	7.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.297303 °	39.297303 °	
			-122.025257 °	-122.025257 °	
DWR ID	DWR_MA0001_01_s_2012_52				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	7.87	Rating **	A/W	Issue No.	24
LM End	7.97	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.297533 °	39.297420 °	
			-122.021779 °	-122.027010 °	
DWR ID	DWR_MA0001_01_s_2012_24				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	8.94	Rating **	M	Issue No.	25
LM End	9.39	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.308390 °	39.315125 °	
			-122.031157 °	-122.030206 °	
DWR ID	DWR_MA0001_01_s_2012_25				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0001_297_25_20141013_00009.jpg



View of the ag. ditch along the L/S 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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	9.11	Rating **	M	Issue No.	615
LM End	9.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID	DWR_MA0001_01_f_2014_615				
Action/Comments					
Inspector Comments: FS_ID:38406 EP_NO: 9466 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to inspect slide gate on LS. Roof of pumping house deteriorating and debris scattered on landward side. WS crossing not found. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_345 no issues recorded 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel pipe through the levee. Slide gate in concrete riser on the landward slope. Pump house encroaches into the landward slope. Two service poles on the landward shoulder. (ABO No. 9466-1974, Roman Catholic Bishop of Sacramento) FS Date: 6/23/2014 1:59:45 PM					

No Photos

LM Start	9.74	Rating **	A	Issue No.	635
LM End	9.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.320002 °	39.320002 °
				-122.030058 °	-122.030058 °
DWR ID	DWR_MA0001_01_f_2014_635				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_MA0001_297_635_20141121_00447.jpg



View of the controlled vegetation on both slopes.

* 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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	10.31	Rating **	M	Issue No.	616
LM End	10.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID	DWR_MA0001_01_f_2014_616				
Action/Comments					
Inspector Comments: FS_ID:38408 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 7/18/2013 Same as last inspection. Unable to locate 6/23/2014 Unable to locate. FIELD_STRUCT_DESC: 24 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955) FS Date: 6/23/2014 2:02:02 PM					

No Photos

LM Start	10.31	Rating **	M	Issue No.	617
LM End	10.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID	DWR_MA0001_01_f_2014_617				
Action/Comments					
Inspector Comments: FS_ID:38407 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 7/18/2013 Same as last inspection. Unable to locate 4/2/2013 Unable to locate 6/23/2014 Unable to locate. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at an unknown depth. Slide gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955) FS Date: 6/23/2014 2:00:27 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	10.35	Rating **	A/W	Issue No.	18
LM End	10.35	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.328697 °	39.328697 °	
			-122.029262 °	-122.029262 °	
DWR ID	DWR_MA0001_01_s_2012_18				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2014_MA0001_297_18_20141013_00007.jpg



View of the erosion along the waterside of the levee.

LM Start	10.43	Rating **	U	Issue No.	618
LM End	10.43	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.329749 °	39.329749 °	
			-122.029602 °	-122.029602 °	
DWR ID	DWR_MA0001_01_f_2014_618				
Action/Comments					
Inspector Comments: FS_ID:38414 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Landward side has been completely altered. Need to find permit for new work 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel pipe through levee. Gate valve on the waterward end. (USACE, 1955) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (538+42). FS Date: 6/23/2014 2:20:35 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	10.43	Rating **	U	Issue No.	619
LM End	10.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID	DWR_MA0001_01_f_2014_619				
Action/Comments					
Inspector Comments: FS_ID:38412 EP_NO: 1800 Repair Type: Urgent Crossing Status: Found UCIP Comments: This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U7/18/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho) FS Date: 6/23/2014 2:15:46 PM					

No Photos

LM Start	10.43	Rating **	U	Issue No.	620
LM End	10.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID	DWR_MA0001_01_f_2014_620				
Action/Comments					
Inspector Comments: FS_ID:38411 EP_NO: 1800 Repair Type: Urgent Crossing Status: Found UCIP Comments: This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U7/18/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho) FS Date: 6/23/2014 2:15:01 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	10.54	Rating **	M	Issue No.	636
LM End	10.54	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.331320 °	39.331320 °	
			-122.029932 °	-122.029932 °	
DWR ID	DWR_MA0001_01_f_2014_636				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0001_297_636_20141121_00448.jpg



View of the pruning along the landside toe.

LM Start	11.00	Rating **	M	Issue No.	637
LM End	11.00	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.337523 °	39.337523 °	
			-122.032437 °	-122.032437 °	
DWR ID	DWR_MA0001_01_f_2014_637				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0001_297_637_20141121_00449.jpg



View of the pruning along the landside toe.

LM Start	11.20	Rating **	M	Issue No.	638
LM End	11.20	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.340217 °	39.340217 °	
			-122.032605 °	-122.032605 °	
DWR ID	DWR_MA0001_01_f_2014_638				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_MA0001_297_638_20141121_00450.jpg



View of the pruning along 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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	11.25	Rating **	M	Issue No.	12
LM End	11.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.340774 °	39.340774 °	
			-122.032872 °	-122.032872 °	
DWR ID	DWR_MA0001_01_s_2012_12				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	11.25	Rating **	M	Issue No.	621
LM End	11.25	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.340867 °	39.340867 °	
			-122.032932 °	-122.032932 °	
DWR ID	DWR_MA0001_01_f_2014_621				
Action/Comments					
Inspector Comments: FS_ID:38424 EP_NO: 187 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate/18/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) FS Date: 6/23/2014 2:30:06 PM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	11.43	Rating **	U	Issue No.	624
LM End	11.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343263 °	39.343263 °
				-122.032152 °	-122.032152 °
DWR ID	DWR_MA0001_01_f_2014_624				
Action/Comments					
Inspector Comments: FS_ID:38464 EP_NO: 17471 Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structure 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Standing water was present in the bottom of the sinkhole. FIELD_STRUCT_DESC: 2 of 2: 24 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. (Permit 17471-2002, Maxwell Irrigation District) FS Date: 6/24/2014 7:16:48 AM					

No Photos

LM Start	11.45	Rating **	M	Issue No.	27
LM End	11.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.343542 °	39.347185 °
				-122.032107 °	-122.031525 °
DWR ID	DWR_MA0001_01_s_2012_27				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_MA0001_297_27_20141013_00010.jpg



View of the ag. ditch along the L/S toe.

* 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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	625
LM End	11.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344376 °	39.344376 °
				-122.031792 °	-122.031792 °
DWR ID	DWR_MA0001_01_f_2014_625				
Action/Comments					
Inspector Comments: FS_ID:38468 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine encroachment permit associated with this crossing 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 3: 24 inch discharge pipe through levee. Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder. FS Date: 6/24/2014 7:22:34 AM					

No Photos

LM Start	11.51	Rating **	M	Issue No.	626
LM End	11.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344390 °	39.344390 °
				-122.031787 °	-122.031787 °
DWR ID	DWR_MA0001_01_f_2014_626				
Action/Comments					
Inspector Comments: FS_ID:38469 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine encroachment permit for this crossing 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 3: 24 inch discharge pipe through levee. Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder. FS Date: 6/24/2014 7:24:48 AM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	627
LM End	11.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344400 °	39.344400 °
				-122.031785 °	-122.031785 °
DWR ID	DWR_MA0001_01_f_2014_627				
Action/Comments					
Inspector Comments: FS_ID:38470 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine encroachment permit for this crossing 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 24 inch discharge pipe through levee. Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder. FS Date: 6/24/2014 7:26:51 AM					

No Photos

LM Start	12.00	Rating **	M	Issue No.	23
LM End	12.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.351155 °	39.351832 °
				-122.030443 °	-122.030295 °
DWR ID	DWR_MA0001_01_s_2012_23				
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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	12.32	Rating **	M	Issue No.	628
LM End	12.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.355516 °	39.355516 °
				-122.028700 °	-122.028700 °
DWR ID	DWR_MA0001_01_f_2014_628				
Action/Comments					
Inspector Comments: FS_ID:38471 EP_NO: 13449 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/2012 Buried line. No markers found; Need to contact PG&E to determine if crossing is still present 12/2012 According to PG&E, their records indicate that pipe segment has been retired per dwgs. PG&E is finding additional information to confirm if crossing has been retired and method of retirement. Waiting for clarification from PG&E 12/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch gas pipeline through levee, 30-inches below crown. PG&E crossing is known as reference no. 167-6-13. (Permit No. 13449-1983, PG&E) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Coordinates are approximate, FS Date: 6/24/2014 7:28:55 AM					

No Photos

LM Start	12.33	Rating **	M	Issue No.	4
LM End	13.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.355607 °	39.362600 °
				-122.028707 °	-122.014497 °
DWR ID	DWR_MA0001_01_s_2012_4				
Action/Comments					
Ditch					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	12.96	Rating **	M	Issue No.	629
LM End	12.96	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.359843 °	39.359843 °	
			-122.019529 °	-122.019529 °	
DWR ID	DWR_MA0001_01_f_2014_629				
Action/Comments					
Inspector Comments: FS_ID:38474 EP_NO: 9462 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate unoperable-blocked by sediment. LS-flap gate missing. 5-inch pipe goes through 24-inch crossing--unable to determine is authorized. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0435 for smaller pipe running inside existing crossing 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee. Slide gate on both ends. (ABO No. 9462-1974, Thousand Acre Ranch) FS Date: 6/24/2014 7:32:21 AM					

No Photos

LM Start	13.76	Rating **	U	Issue No.	630
LM End	13.76	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.367643 °	39.367643 °	
			-122.015212 °	-122.015212 °	
DWR ID	DWR_MA0001_01_f_2014_630				
Action/Comments					
Inspector Comments: FS_ID:38480 EP_NO: 9461 Repair Type: Urgent Crossing Status: Found UCIP Comments: Unable to close positive closure device due to missing ladder-sluid gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through levee, 21.5 feet below crown. Slide gate in concrete box on waterward end. Pump on the bank. (ABO No. 9461-1974, Annie D. Propfe) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 710+82). FS Date: 6/24/2014 7:48:23 AM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	14.08	Rating **	M	Issue No.	631
LM End	14.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.371934 °	39.371934 °
				-122.012945 °	-122.012945 °
DWR ID	DWR_MA0001_01_f_2014_631				
Action/Comments					
Inspector Comments: FS_ID:38482 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0457 for buried slide gate 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe through levee. Slide gate on waterward end. (Davis Ranches) FS Date: 6/24/2014 7:51:59 AM					

No Photos

LM Start	14.59	Rating **	M	Issue No.	632
LM End	14.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.378568 °	39.378568 °
				-122.013262 °	-122.013262 °
DWR ID	DWR_MA0001_01_f_2014_632				
Action/Comments					
Inspector Comments: FS_ID:38484 EP_NO: 9460 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossing is still being used there are some abandoned features that remain at this crossing--crossing has been modified. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0464 for abandoned pump station 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 18-inch steel pipe through levee. Gate valve on the waterward end. Pump house on the waterward berm. Concrete distribution box and flap gate at the landward toe. (ABO No. 9460-1974, Morici Corporation) FS Date: 6/24/2014 7:54:20 AM					

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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	16.34	Rating **	M	Issue No.	1
LM End	16.57	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		39.411111 °	39.407837 °	
			-122.009238 °	-122.008763 °	
DWR ID	DWR_MA0001_01_f_2014_1				
Action/Comments					
Inspector Comments: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2013: No observed changes. [2013 Site ID: SAC_164-3_R]					

Photo 1 of 2 : FA_2014_MA0001_297_1_20141013_00001.jpg



USACE 2013 Photo #1

LM Start	16.34	Rating **	M	Issue No.	1 (cont)
LM End	16.57	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_MA0001_297_1_20141013_00002.jpg



USACE 2013 Photo #2

LM Start	16.43	Rating **	U	Issue No.	14
LM End	16.43	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.403930 °	39.403930 °	
			-122.008925 °	-122.008925 °	
DWR ID	DWR_MA0001_01_s_2012_14				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_MA0001_297_14_20141121_00451.jpg



View of the building 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 - Fall 2014

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	10/23/2014 10/23/2014	Bob Duffey

LM Start	16.45	Rating **	U	Issue No.	26
LM End	16.45	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.404135 °	39.404135 °	
			-122.008797 °	-122.008797 °	
DWR ID	DWR_MA0001_01_s_2012_26				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_MA0001_297_26_20141121_00452.jpg



View of the building on the landside slope.

LM Start	16.65	Rating **	M	Issue No.	15
LM End	16.68	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.407066 °	39.407363 °	
			-122.008730 °	-122.008780 °	
DWR ID	DWR_MA0001_01_s_2012_15				
Action/Comments					
Building					

No Photos

LM Start	16.66	Rating **	U	Issue No.	46
LM End	16.69	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.407225 °	39.407545 °	
			-122.008570 °	-122.008640 °	
DWR ID	DWR_MA0001_01_s_2012_46				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_MA0001_297_46_20141121_00455.jpg



View of the building along 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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