

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Sutter Maintenance Yard Maintenance Area 0005**

	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**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway			Bank	Unit Miles
Unit No. 01 Butte Creek 1			Left	15.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/12/2015 - 05/12/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Freitag 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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0005_01_s _ 2013_11				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0005_01_s _ 2013_12				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0005_01_s _ 2013_13				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	903
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.690745 °	39.690745 °
				-121.777342 °	-121.777342 °
DWR ID	DWR_MA0005_01_s_2012_903				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_903\_20150310\_00016.jpg



View of the large elderberries along the L/S toe.

LM Start	0.77	Rating **	M	Issue No.	32
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.687917 °	39.687917 °
				-121.777393 °	-121.777393 °
DWR ID	DWR_MA0005_01_s_2014_32				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_32\_20150310\_00011.jpg



Trim the trees along the landside slope.

LM Start	1.53	Rating **	M	Issue No.	29
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.677130 °	39.677130 °
				-121.777583 °	-121.777583 °
DWR ID	DWR_MA0005_01_f_2014_29				
Action/Comments					
Prunings					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_29\_20150310\_00009.jpg



View of the prunings along the landside 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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	1.53	Rating **	M	Issue No.	30
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.677130 °	39.677130 °
				-121.777583 °	-121.777583 °
DWR ID	DWR_MA0005_01_f_2014_30				
Action/Comments					
Equipment					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_30\_20150310\_00010.jpg



View of the sprinkler pipe and equipment along the landside toe.

LM Start	1.61	Rating **	M	Issue No.	16
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.676129 °	39.676129 °
				-121.778171 °	-121.778171 °
DWR ID	DWR_MA0005_01_s_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_16\_20150310\_00008.jpg



View of the unauthorized vehicle ramp on the landside slope.

LM Start	1.64	Rating **	M	Issue No.	34
LM End	1.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.675763 °	39.675763 °
				-121.778485 °	-121.778485 °
DWR ID	DWR_MA0005_01_f_2014_34				
Action/Comments					
Prunings					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_34\_20150310\_00013.jpg



View of the prunings along the landside 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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	1.66	Rating **	M	Issue No.	1
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.675528 °	39.675528 °
				-121.778642 °	-121.778642 °
DWR ID	DWR_MA0005_01_s_2012_1				
Action/Comments					
Debris					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_1\_20150310\_00001.jpg



View of the removed garbage but construction supply on pallets.

LM Start	1.69	Rating **	M	Issue No.	33
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.675158 °	39.675158 °
				-121.779025 °	-121.779025 °
DWR ID	DWR_MA0005_01_s_2014_33				
Action/Comments					
Firewood					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_33\_20150310\_00012.jpg



View of the firewood along the landside toe.

LM Start	1.82	Rating **	M	Issue No.	28
LM End	1.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673390 °	39.673390 °
				-121.779830 °	-121.779830 °
DWR ID	DWR_MA0005_01_s_2015_28				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_28\_20150518\_00017.jpg



View of the prunings along the landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	1.88	Rating **	M	Issue No.	35
LM End	1.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.672627 °	39.672627 °
				-121.779778 °	-121.779778 °
DWR ID	DWR_MA0005_01_f_2014_35				
Action/Comments					
Prunings					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_35\_20150310\_00014.jpg



View of the prunings along the landside toe.

LM Start	2.09	Rating **	M	Issue No.	10
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			39.670112 °	39.670112 °
				-121.782012 °	-121.782012 °
DWR ID	DWR_MA0005_01_s_2012_10				
Action/Comments					
Inspector Comments: No permit.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_10\_20150310\_00007.jpg



View of the unpermitted gate.

LM Start	2.54	Rating **	M	Issue No.	9
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.663876 °	39.663876 °
				-121.784014 °	-121.784014 °
DWR ID	DWR_MA0005_01_f_2012_9				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_9\_20150310\_00006.jpg



View of the vehicle erosion along the landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	3.08	Rating **	M	Issue No.	2
LM End	3.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.656735 °	39.656735 °
				-121.787163 °	-121.787163 °
DWR ID	DWR_MA0005_01_f_2014_2				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_2\_20150518\_00018.jpg



View of the prunings along the landside toe.

LM Start	3.42	Rating **	M	Issue No.	31
LM End	3.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.652028 °	39.652028 °
				-121.789090 °	-121.789090 °
DWR ID	DWR_MA0005_01_s_2015_31				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_31\_20150518\_00019.jpg



View of the prunings along the landside toe.

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	3.67	Rating **	M	Issue No.	904
LM End	3.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.649522 °	39.649522 °
				-121.787965 °	-121.787965 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42555 DS_ID:1615 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned. Slide gate open and inoperable. Pipe should be properly abandoned5/29/2013 Same as last inspection1/20/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through levee, 10.5 feet below crown. Slide gate in corrugated metal riser on waterward slope. Concrete distribution box on LS toe and concrete overflow and siphon box at edge of berm. (USCE 1958) FS Date: 12/10/2014					

No Photos

LM Start	3.97	Rating **	U	Issue No.	905
LM End	3.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.645846 °	39.645846 °
				-121.785155 °	-121.785155 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42558 DS_ID:1619 EP_NO: 6544-A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Pipeline should be marked where pipe crosses levee as it is 4-feet below the surface5/29/2013 Same as last inspection11/20/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch concrete encased high pressure steel gas line through the levee, 4.0 feet below the crown. 8-inch diameter PG&E gas access manhole located on south side of road 250-feet east of levee crown. (Permit No. 6544A) FS Date: 12/10/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	4.26	Rating **	A	Issue No.	36
LM End	4.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.641475 °	39.641475 °
				-121.781517 °	-121.781517 °
DWR ID	DWR_MA0005_01_s_2015_36				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard sprayed the vegetation on both slopes.					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_36\_20150518\_00020.jpg



View of the levee with no vegetation on both slopes.

LM Start	5.65	Rating **	M	Issue No.	906
LM End	5.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42560 DS_ID:1620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe 1/2 filled with soil at slide gate end 5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2. 36-inch pipe through levee 11.0 feet below crown. Slide gate in 54-inch corrugated metal riser on waterward slope and concrete "U" headwall on the landward side. (USACE 1957) FS Date: 12/10/2014					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	5.65	Rating **	M	Issue No.	907
LM End	5.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42561 DS_ID:1768 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe 1/2 filled with soil at slide gate on WS/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned1/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2. 36-inch pipe through levee 11.0 feet below crown. Slide gate in 54-inch corrugated metal riser on waterward slope and concrete "U" headwall on the landward side. (USACE 1957) FS Date: 12/10/2014					

LM Start	5.69	Rating **	M	Issue No.	55
LM End	6.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.622766 °	39.615666 °
				-121.773159 °	-121.777353 °
DWR ID	DWR_MA0005_01_s_2015_55				
Action/Comments					
Ditch					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_55\_20150310\_00015.jpg



View of the irrigation ditch along the landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	7.70	Rating **	M	Issue No.	908
LM End	7.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.597725 °	39.597725 °
				-121.787257 °	-121.787257 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42576					
DS_ID:1628					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe filled with soil and outlet/appurtances are					
buried 5/29/2013 Same as last inspection 11/19/2013 Same as					
last inspection 6/11/2014 Same as last inspection 12/8/2014 Same					
as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through levee, 8.5 feet below					
crown. Flap gate on the waterward end. Concrete "U" shaped headwall					
on LS toe. (USCE 1952)					
FS Date: 12/10/2014					

No Photos

LM Start	8.33	Rating **	M	Issue No.	909
LM End	8.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42578					
DS_ID:1629					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe filled with soil 5/29/2013 Same as last inspection 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection 12/8/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. (USACE 1952)					
FS Date: 12/10/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	<b>9.21</b>	Rating **	M	Issue No.	<b>910</b>
LM End	<b>9.21</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.579908 °	39.579908 °	
			-121.802790 °	-121.802790 °	
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42581 DS_ID:1631 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to confirm proper abandonment of pipe. Pipe should be plugged on <del>LS</del> /29/2013 Same as last inspection11/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 11.5 feet below the crown. Distribution box at the landward toe. (USACE 1955) FS Date: 12/10/2014					

LM Start	9.54	Rating **	M	Issue No.	5
LM End	10.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.574837 °	39.567892 °
				-121.807913 °	-121.819283 °
DWR ID	DWR_MA0005_01_s_2012_5				
Action/Comments					
Ditch					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_5\_20150310\_00004.jpg



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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	9.65	Rating **	M	Issue No.	911
LM End	9.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.575072 °	39.575072 °
				-121.807805 °	-121.807805 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42582 DS_ID:1775 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seems there should be flap gates on this structure5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch11/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952). FS Date: 12/10/2014					

No Photos

LM Start	9.66	Rating **	M	Issue No.	912
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.575036 °	39.575036 °
				-121.807807 °	-121.807807 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42583 DS_ID:1774 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seems there should be flap gates on this structure5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch11/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952). FS Date: 12/10/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	9.66	Rating **	M	Issue No.	913
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.575000 °	39.575000 °
				-121.807808 °	-121.807808 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42584 DS_ID:1632 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seems there should be flap gates on this structure5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch11/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 3 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952). FS Date: 12/10/2014					

No Photos

LM Start	9.66	Rating **	M	Issue No.	914
LM End	9.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.574964 °	39.574964 °
				-121.807810 °	-121.807810 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42585 DS_ID:1773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seems there should be flap gates on this structure5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch11/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 4 of 4: 66 Inch Corrugated Metal Pipe through levee, 17.9 feet below the crown. Concrete headwalls on both ends. (USCE 1952). FS Date: 12/10/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	10.19	Rating **	M	Issue No.	915
LM End	10.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.570596 °	39.570596 °
				-121.815215 °	-121.815215 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42586 DS_ID:1633 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe and headwall buried on WS, no access to slide gate 6/29/2013 Same as last inspection 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection 12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 12.5 feet below the crown. Slide gate on the waterward end. Flap gate and headwall on the landward end. Concrete headwall at the waterward toe. (USCE 1952) FS Date: 12/10/2014					

No Photos

LM Start	10.99	Rating **	M	Issue No.	916
LM End	10.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562559 °	39.562559 °
				-121.825808 °	-121.825808 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42588 DS_ID:1635 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe buried on both sides of levee5/29/2013 Same as last inspection1/19/2013 Same as last inspection6/11/2014 Same as last inspection12/8/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 12.2 feet below the crown. Flap gate on the waterward end. (USCE 1952) FS Date: 12/10/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	11.85	Rating **	M	Issue No.	6
LM End	13.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551235 °	39.531462 °
				-121.837697 °	-121.856165 °
DWR ID	DWR_MA0005_01_s_2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : SP\_2015\_MA0005\_196\_6\_20150310\_00005.jpg



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

LM Start	12.00	Rating **	M	Issue No.	917
LM End	12.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.551212 °	39.551212 °
				-121.837724 °	-121.837724 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:37500 DS_ID:1747 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe buried on both LS and WS/29/2013 Same as last inspection/11/19/2013 Same as last inspection/6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 48" Corrugated Metal Pipe riser and sparring water meter/irrigation structure. 4-foot by 6-foot concrete outlet box on LS toe.(USACE 1952) FS Date: 06/12/2014					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.08	05/12/2015 05/12/2015	Bob Duffey

LM Start	14.66	Rating **	M	Issue No.	918
LM End	14.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.522200 °	39.522200 °
				-121.865592 °	-121.865592 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:37503 DS_ID:1639 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls 5/29/2013 Same as last inspection 11/19/2013 Same as last inspection 6/11/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USCE 1952) FS Date: 06/12/2014					

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

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway			Bank	Unit Miles
Unit No. 02 Butte Creek 1			Right	16.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/12/2015 - 05/12/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Freitag 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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	1.21	Rating **	M	Issue No.	1
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.529933 °	39.534102 °
				-121.861563 °	-121.856947 °
DWR ID	DWR_MA0005_02_s_2012_1				
Action/Comments					
Ditch					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_1\_20150310\_00001.jpg



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

LM Start	1.45	Rating **	U	Issue No.	44
LM End	1.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.732942 °	39.732942 °
				-121.772445 °	-121.772445 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24148 DS_ID:1762 EP_NO: 16381 Repair Type: Urgent Crossing Status: Not Found UCIP Comments: Gasline not marked. Notes in permit indicate installation occurred. Owner needs to install markers 6/6/2013 Same as last inspection. Unable to locate 6/13/2013 Unable to locate. FIELD_STRUCT_DESC: 1 of 2: 2" gas main. (Permit No. 16381) FS Date: 11/14/2013					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	1.94	Rating **	M	Issue No.	45
LM End	1.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42396 DS_ID:1645 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation needs to be cleared from outlet 6/6/2013 Same as last inspection 11/12/2013 Same as last inspection 6/4/2014 Same as last inspection 11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 17.0 feet below the crown. Flap gate on the waterward end. Slide gate on LS toe. Concrete headwall at both toes. FS Date: 11/26/2014					

No Photos

LM Start	2.92	Rating **	M	Issue No.	46
LM End	2.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.549014 °	39.549014 °
				-121.842866 °	-121.842866 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42397					
DS_ID:1646					
EP_NO: 3927					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump does not appear to be in use or is abandoned					
6/6/2013 Same as last inspection					
11/12/2013 Same as last inspection					
6/4/2014 Same as last inspection					
11/25/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 2.4 feet below the crown. Siphon breaker in 24-inch corrugated metal riser on the landward shoulder. Portable pump on the waterward side. (Permit No. 3927)					
FS Date: 11/26/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	3.10	Rating **	M	Issue No.	7
LM End	4.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551780 °	39.567430 °
				-121.840507 °	-121.823065 °
DWR ID	DWR_MA0005_02_s_2012_7				
Action/Comments					
Ditch					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_7\_20150310\_00004.jpg



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

LM Start	4.16	Rating **	M	Issue No.	47
LM End	4.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.562875 °	39.562875 °
				-121.828782 °	-121.828782 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42408 DS_ID:16300 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on WS and is not filled with concrete6/6/2013 Sutter Maintenance Yard supervisor Jason Cooper said there is a flap gate on the LS end of the pipe in the western most ditch to prevent high water flooding. Not sure if this is adequate, will talk to levee inspector to find out1/13/2013 Same as last inspection6/04/2014 Same as last inspection11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 5 of 5: 60-inch drain pipe through the levee, 16.6 feet below the crown. Pipe partially plugged on LS with concrete wall. Flap gate installed on concrete plug to allow floodwater from LS to flow to WS. (USACE 1955) FS Date: 11/26/2014					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	5.43	Rating **	M	Issue No.	48
LM End	5.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.576008 °	39.576008 °
				-121.812599 °	-121.812599 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42414 DS_ID:1650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS 6/6/2013 Same as last inspection 11/12/2013 Same as last inspection 6/04/2014 Same as last inspection 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in 56-inch cmp riser on WS berm. Flap gate on the waterward end. (USACE 1955) FS Date: 11/26/2014					

No Photos

LM Start	5.91	Rating **	M	Issue No.	34
LM End	5.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.583052 °	39.583052 °
				-121.807423 °	-121.807423 °
DWR ID	DWR_MA0005_02_s _ 2015_34				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside toe.					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_34\_20150518\_00016.jpg



View of the prunings along the landside 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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	7.75	Rating **	M	Issue No.	35
LM End	7.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.605205 °	39.605205 °
				-121.788453 °	-121.788453 °
DWR ID	DWR_MA0005_02_s_2015_35				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the landside slope.					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_35\_20150518\_00017.jpg



View other prunings along the landside slope.

LM Start	7.98	Rating **	M	Issue No.	13
LM End	7.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.607710 °	39.607710 °
				-121.785868 °	-121.785868 °
DWR ID	DWR_MA0005_02_s_2012_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 2 : SP\_2015\_MA0005\_197\_13\_20150310\_00005.jpg



View of the vehicle erosion along the landside slope.

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>7.98</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_MA0005\_197\_13\_20150310\_00006.jpg



View of the vehicle erosion along the slope.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	8.06	Rating **	M	Issue No.	40
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.608563 °	39.608563 °
				-121.785058 °	-121.785058 °
DWR ID	DWR_MA0005_02_f_2014_40				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_40\_20150310\_00013.jpg



View of the vehicle erosion along the landside slope.

LM Start	8.12	Rating **	M	Issue No.	49
LM End	8.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607802 °	39.607802 °
				-121.785597 °	-121.785597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42424 DS_ID:1656 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe 3/4 full with soil on LS 6/6/2013 Same as last inspection11/12/2013 Same as last inspection6/04/2014 Same as last inspection11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.7 feet below the crown. Concrete headwall at the landward toe. Flap gate on the waterward end. (USACE 1955) FS Date: 11/26/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	8.94	Rating **	M	Issue No.	50
LM End	8.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.618163 °	39.618163 °
				-121.778745 °	-121.778745 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42434 DS_ID:1664 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS inlet is buried under soil and covered with brambles. Slide gate missing from LS 6/6/2013 Same as last inspection 11/13/2013 Same as last inspection 6/4/2014 Same as last inspection 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.0 feet below the crown. Flap gate on waterward end. Concrete headwall on the waterward end. (USACE 1957) FS Date: 11/26/2014					

No Photos

LM Start	9.59	Rating **	M	Issue No.	51
LM End	9.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.626894 °	39.626894 °
				-121.775180 °	-121.775180 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42436					
DS_ID:1666					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe 1/2 filled with soil 6/6/2013 Same as last inspection 11/13/2013 Same as last inspection 6/4/2014 Same as last inspection 11/24/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drain pipe through the levee, 11.2 feet below the crown. Flap gate on waterward end. Concrete "U" shaped headwalls on both ends. (USCE 1957)					
FS Date: 11/26/2014					

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**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	10.38	Rating **	M	Issue No.	3
LM End	10.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.639018 °	39.639018 °
				-121.781458 °	-121.781458 °
DWR ID	DWR_MA0005_02_s_2012_3				
Action/Comments					
Prunings					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_3\_20150310\_00002.jpg



View of the prunings along the landside toe.

LM Start	10.46	Rating **	M	Issue No.	14
LM End	10.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.639967 °	39.639967 °
				-121.782152 °	-121.782152 °
DWR ID	DWR_MA0005_02_s_2012_14				
Action/Comments					
Equipment					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_14\_20150310\_00007.jpg



View of the equipment along the L/S toe.

LM Start	10.63	Rating **	M	Issue No.	18
LM End	10.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.642061 °	39.642061 °
				-121.783861 °	-121.783861 °
DWR ID	DWR_MA0005_02_s_2012_18				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_18\_20150310\_00008.jpg



View of the vehicle erosion along the slope of the levee.

\* 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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	10.79	Rating **	M	Issue No.	21
LM End	10.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.644076 °	39.644480 °
				-121.785471 °	-121.785762 °
DWR ID	DWR_MA0005_02_s_2013_21				
Action/Comments					
Tree or limb					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_21\_20150310\_00010.jpg



View of the redwood trees planted along the landside toe.

LM Start	10.89	Rating **	M	Issue No.	41
LM End	10.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.645318 °	39.645858 °
				-121.786345 °	-121.786742 °
DWR ID	DWR_MA0005_02_f_2014_41				
Action/Comments					
Fence					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_41\_20150310\_00014.jpg



View of the new fence along the landside toe.

LM Start	11.05	Rating **	M	Issue No.	26
LM End	11.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.647400 °	39.647400 °
				-121.787825 °	-121.787825 °
DWR ID	DWR_MA0005_02_f_2012_26				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	11.10	Rating **	M	Issue No.	36
LM End	11.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.647913 °	39.647913 °
				-121.788330 °	-121.788330 °
DWR ID	DWR_MA0005_02_s_2015_36				
Action/Comments					
Tree or limb					
Inspector Comments: Remove the tree from the landside slope.					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_36\_20150518\_00018.jpg



Remove the tree from the landside slope.

LM Start	11.29	Rating **	M	Issue No.	52
LM End	11.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.648185 °	39.648185 °
				-121.788563 °	-121.788563 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42442 DS_ID:1671 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned. It needs to be abandoned properly. 9/6/2013 Same as last inspection 11/13/2013 Same as last inspection 6/4/2014 Same as last inspection 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal siphon through the levee, 9.4 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. Concrete distribution box on the landward side. (USCE 1958) FS Date: 11/26/2014					

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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	11.57	Rating **	M	Issue No.	6
LM End	11.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.654268 °	39.657142 °
				-121.789525 °	-121.788690 °
DWR ID	DWR_MA0005_02_s _ 2012_6				
Action/Comments					
Ditch					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_6\_20150310\_00003.jpg



View of the ditch along the L/S toe.

LM Start	12.25	Rating **	M	Issue No.	53
LM End	12.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.660980 °	39.660980 °
				-121.786341 °	-121.786341 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42443 DS_ID:1672 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe appears to be abandoned6/6/2013 Same as last inspection11/13/2013 Same as last inspection6/4/2014 Same as last inspection11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch siphon pipe through the levee, 12.3 feet below the crown. Slide gate in 42-inch corrugated metal riser on the waterward slope. 5-foot X 5-foot Concrete distribution box at LS toe. (USCAE 1958) FS Date: 11/26/2014					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	12.83	Rating **	M	Issue No.	19
LM End	12.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.671239 °	39.671239 °
				-121.782486 °	-121.782486 °
DWR ID	DWR_MA0005_02_s_2012_19				
Action/Comments					
Prunings					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_19\_20150310\_00009.jpg



View of the brush pile at the toe of the levee.

LM Start	12.99	Rating **	M	Issue No.	54
LM End	12.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.670982 °	39.670982 °
				-121.783103 °	-121.783103 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42444 DS_ID:1673 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned 6/6/2013 New slidegate is planned to be installed during summer of 2013 1/13/2013 Slide gate top and stem were repaired to make gate operational 4/4/2014 Same as last inspection 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 14.0 feet below the crown. Slide gate in corrugated metal riser on the waterward slope. (USCE 1958) FS Date: 11/26/2014					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	13.04	Rating **	M	Issue No.	5
LM End	13.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.673956 °	39.673956 °
				-121.781278 °	-121.781278 °
DWR ID	DWR_MA0005_02_s _ 2012_5				
Action/Comments					
Equipment					

No Photos

LM Start	13.15	Rating **	M	Issue No.	22
LM End	13.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.675311 °	39.675311 °
				-121.780371 °	-121.780371 °
DWR ID	DWR_MA0005_02_s _ 2013_22				
Action/Comments					
Prunings					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_22\_20150310\_00011.jpg



View of the prunings along the waterside toe.

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	13.35	Rating **	M	Issue No.	55
LM End	13.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.675379 °	39.675379 °
				-121.780319 °	-121.780319 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42445 DS_ID:1674 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned. No pump found. Pipe should be abandoned properly 6/6/2013 Same as last inspection 11/13/2013 Same as last inspection 6/4/2014 Same as last inspection 11/24/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 9.0 feet below the crown. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump and 36-inch concrete standpipe on the waterward berm. (USCE 1958) Originally installed under Permit No. 1291, 1948 and described as a 14-inch concrete pipe. FS Date: 11/26/2014					

LM Start	13.59	Rating **	U	Issue No.	56
LM End	13.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.678267 °	39.678267 °
				-121.778322 °	-121.778322 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42447 DS_ID:1740 EP_NO: 17127 Repair Type: Urgent Crossing Status: Found UCIP Comments: Debris, soil, and vegetation creating minor blockage at flap gate outlet 6/6/2013 Same as last inspection 11/13/2013 Flap gate is completely blocked from being able to open 6/4/2014 Same as last inspection 11/24/2014 Flap gate needs to be dug out and unblocked. FIELD_STRUCT_DESC: 36-Inch Corrugated Metal pipe drain pipe through the levee approximately 12-feet below the crown. 4-foot X 4-foot concrete box and slide gate on land side. Concrete headwall and flap gate at waterside outlet. (Permit No. 17127) FS Date: 11/26/2014					

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	13.76	Rating **	A/W	Issue No.	20
LM End	13.95	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.683630 °	39.686221 °
				-121.777916 °	-121.779051 °
DWR ID	DWR_MA0005_02_s_2012_20				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	13.99	Rating **	M	Issue No.	57
LM End	13.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.683896 °	39.683896 °
				-121.778183 °	-121.778183 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42455 DS_ID:1680 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned 6/6/2013 Boiler has been removed and pipe buried on LS. Unable to locate 1/13/2013 Unable to locate 6/4/2014 Same as last inspection. Unable to locate 1/25/2014 Unable to locate. FIELD_STRUCT_DESC: 8-inch steel pipe through levee, 6.5 feet below crown. Boiler attached to LS end of pipe. (USACE 1958) FS Date: 11/26/2014					

No Photos

LM Start	14.13	Rating **	U	Issue No.	43
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.688715 °	39.688715 °
				-121.778345 °	-121.778345 °
DWR ID	DWR_MA0005_02_f_2014_43				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_43\_20150310\_00015.jpg



View of where the landowner is disking into the landside slope.

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	14.15	Rating **	M	Issue No.	58
LM End	14.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.685961 °	39.685961 °
				-121.779041 °	-121.779041 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42456 DS_ID:1681 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned 6/6/2013 Same as last inspection 1/13/2013 Same as last inspection 6/4/2014 Same as last inspection 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch steel pipe through levee, 7.1 feet below crown. Siphon breaker in corrugated metal riser on landward slope. One corrugated metal cutoff wall. Pipe is open on both ends. (USCE 1958) FS Date: 11/26/2014					

No Photos

LM Start	14.33	Rating **	U	Issue No.	25
LM End	14.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.691432 °	39.691432 °
				-121.778933 °	-121.778933 °
DWR ID	DWR_MA0005_02_s _ 2012_25				
Action/Comments					
Building					

Photo 1 of 1 : SP\_2015\_MA0005\_197\_25\_20150310\_00012.jpg



View of the buildings at the landside toe.

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	14.82	Rating **	U	Issue No.	59
LM End	14.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.695204 °	39.695204 °
				-121.778557 °	-121.778557 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42460 DS_ID:1731 EP_NO: 14519 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe outlet burried and flap gate will not function.					
6/6/2013 Same as last inspection11/13/2013 Same as last inspection6/4/2014 Same as last inspection11/25/2014 Pipe outlet needs to be dug up and flap gate closed. FIELD_STRUCT_DESC: 24-inch Soil proofed steel storm drain pipeline through the levee 12-feet below the crown. Concrete headwall on LS toe, 4'X4' concrete box with slide gate on WS shoulder. Outlet with flap gate near stream 275-feet south east of concrete box on WS shoulder. (Permit No. 14519.) FS Date: 11/26/2014					

No Photos

LM Start	15.71	Rating **	M	Issue No.	60
LM End	15.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707544 °	39.707544 °
				-121.777701 °	-121.777701 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42463 DS_ID:1687 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection6/6/2013 Same as last inspection. Need to construct covers for top of standpipe11/13/2013 Same as last inspection6/4/2014 Same as last inspection1/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 54-inch siphon pipe through the levee, 17.8 feet below crown. Slide gate in 66-inch CMP riser on waterward side. Concrete headwall and irrigation ditch at the landward toe. Large structure in floodway likely related. (USCE 1958) FS Date: 11/26/2014					

No Photos

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

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

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.27	05/12/2015 05/12/2015	Bob Duffey

LM Start	15.71	Rating **	M	Issue No.	61
LM End	15.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.707569 °	39.707569 °
				-121.777705 °	-121.777705 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42464 DS_ID:16316 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection 6/6/2013 Same as last inspection. Need to construct cover for top of standpipe 4/13/2013 Same as last inspection 6/4/2014 Same as last inspection 1/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 54-inch siphon pipe through the levee, 17.8 feet below crown. Slide gate in 66-inch CMP riser on waterward side shoulder. Concrete headwall and irrigation ditch at the landward toe. Large structure in floodway likely related. (USCE 1958) FS Date: 11/26/2014					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway			Bank	Unit Miles
Unit No. 03 Little Chico Creek Diversion 1			Left	1.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/12/2015 - 05/12/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Freitag 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 - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion 1	Left	1.49	05/12/2015 05/12/2015	Bob Duffey

LM Start	0.62	Rating **	A	Issue No.	1
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.725153 °	39.725153 °
				-121.781592 °	-121.781592 °
DWR ID	DWR_MA0005_03_s _ 2015_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yards sprayed the vegetation on both slopes.					

Photo 1 of 1 : SP\_2015\_MA0005\_198\_1\_20150518\_00001.jpg



View of the levee with no vegetation on both slope.

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