

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2013 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 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 01 Butte Creek 1			Left	15.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/23/2013 - 04/23/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Jason Cooper 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 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Butte Creek 1							Left	15.29	04/23/2013 04/23/2013	Bob Duffey	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1				Operations & Maintenance Manuals	LS	A Ma		° °	° °	11	
DWR ID: DWR_MA0005_01_s_2013_11											
2				Emergency Supplies & Equipment	LS	A Ma		° °	° °	12	
DWR ID: DWR_MA0005_01_s_2013_12											
3				Flood Preparedness & Training	LS	A Ma		° °	° °	13	
DWR ID: DWR_MA0005_01_s_2013_13											
4	0.58	0.58		Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.690745 ° -121.777342 °	39.690745 ° -121.777342 °	903 Y	
DWR ID: DWR_MA0005_01_s_2012_903											
5	1.62	1.62		Slope Stability	LS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.676129 ° -121.778171 °	39.676129 ° -121.778171 °	16 Y	
DWR ID: DWR_MA0005_01_s_2013_16											
6	1.68	1.68		Encroachments	LS	M Ma	DE : Debris	39.675528 ° -121.778642 °	39.675528 ° -121.778642 °	1 Y	
DWR ID: DWR_MA0005_01_s_2012_1											
7	2.13	2.13		Repair Gates	CR	M Ma		39.670112 ° -121.782012 °	39.670112 ° -121.782012 °	10	
DWR ID: DWR_MA0005_01_s_2012_10											
8	2.58	2.58		Slope Stability	LS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.663876 ° -121.784014 °	39.663876 ° -121.784014 °	9 Y	
DWR ID: DWR_MA0005_01_f_2012_9											
9	2.86	2.86		Encroachments	LS	M Ma	PR : Prunings	39.660124 ° -121.785136 °	39.660124 ° -121.785136 °	2 Y	
DWR ID: DWR_MA0005_01_s_2012_2											
10	3.12	3.12		Encroachments	LS	M Ma	PR : Prunings	39.656779 ° -121.787127 °	39.656779 ° -121.787127 °	3	
DWR ID: DWR_MA0005_01_s_2012_3											
11	3.27	3.27		Encroachments	LS	C Ma	PR : Prunings	39.654847 ° -121.787893 °	39.654847 ° -121.787893 °	4	
DWR ID: DWR_MA0005_01_s_2012_4											
12	3.54	3.54		Encroachments	LS	M En	PR : Prunings	39.651070 ° -121.789050 °	39.651070 ° -121.789050 °	17 Y	
DWR ID: DWR_MA0005_01_s_2013_17											
13	3.91	3.91		Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.646599 ° -121.785705 °	39.646599 ° -121.785705 °	14 Y	
DWR ID: DWR_MA0005_01_f_2012_14											
14	3.94	3.94		Slope Stability	LS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.646133 ° -121.785370 °	39.646133 ° -121.785370 °	15 Y	
DWR ID: DWR_MA0005_01_f_2012_15											
15	9.66	10.48		Encroachments	WS	M En	DT : Ditch	39.574837 ° -121.807913 °	39.567892 ° -121.819283 °	5 Y	
DWR ID: DWR_MA0005_01_s_2012_5											

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.29	04/23/2013 04/23/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	12.00	13.83		Encroachments	LS	M	DT : Ditch En	39.551235 ° -121.837697 °	39.531462 ° -121.856165 °	6 Y
DWR ID: DWR_MA0005_01_s_2012_6										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.29	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.58
End Levee Mile	0.58
Location	Land Side
Category	
Item	Vegetation

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

rduffey_s_20130225_079.jpg



Levee Mile Report Line	5
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Land Side
Category	
Item	Slope Stability

View of the unauthorized vehicle ramp on the landside slope.

rduffey_s_20130429_384.JPG



Levee Mile Report Line	6
Start Levee Mile	1.68
End Levee Mile	1.68
Location	Land Side
Category	
Item	Encroachments

View of the removed garbage but construction supply on pallets.

rduffey_s_20130225_071.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.29	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	8
Start Levee Mile	2.58
End Levee Mile	2.58
Location	Land Side
Category	
Item	Slope Stability

View of the vehicle erosion along the landside slope.

rduffey_s_20130225_076.JPG



Levee Mile Report Line	9
Start Levee Mile	2.86
End Levee Mile	2.86
Location	Land Side
Category	
Item	Encroachments

View of the large prunings pile along the L/S toe.

rduffey_s_20130225_072.jpg



Levee Mile Report Line	12
Start Levee Mile	3.54
End Levee Mile	3.54
Location	Land Side
Category	
Item	Encroachments

View of the prunings along the landside slope.

rduffey_s_20130429_385.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.29	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	13
Start Levee Mile	3.91
End Levee Mile	3.91
Location	Land Side
Category	
Item	Animal Control
View of the rodent activity along the landside slope.	
rduffey_s_20130225_077.JPG	



Levee Mile Report Line	14
Start Levee Mile	3.94
End Levee Mile	3.94
Location	Land Side
Category	
Item	Slope Stability
View of the vehicle erosion along the landside slope.	
rduffey_s_20130225_078.JPG	



Levee Mile Report Line	15
Start Levee Mile	9.66
End Levee Mile	10.48
Location	Water Side
Category	
Item	Encroachments
View of the AG ditch along the L/S toe.	
rduffey_s_20130225_074.jpg	



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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek 1	Left	15.29	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	16
Start Levee Mile	12.00
End Levee Mile	13.83
Location	Land Side
Category	
Item	Encroachments

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

rduffey_s_20130225_075.jpg



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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 02 Butte Creek 1			Right	16.53
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/23/2013 - 04/23/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Jason Cooper 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 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1				Right	16.53	04/23/2013 04/23/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	1.23	1.62		Encroachments	LS	M	DT : Ditch	39.529933 °	39.534102 °	1
					En			-121.861563 °	-121.856947 °	Y
								DWR ID: DWR_MA0005_02_s_2012_1		
2	1.89	1.89		Encroachments	LS	M	GA : Garbage	39.536923 °	39.536923 °	4
					Ma			-121.853638 °	-121.853638 °	Y
								DWR ID: DWR_MA0005_02_s_2012_4		
3	2.50	2.51	Supplemental	USACE Erosion Survey	WSA/W	En	Inspector Comments: 2008 - Sandy non-cohesive bank with rotational/slab failure. 2012: Site removed from the inventory, the erosion is not in projection of levee slope. [2012 Site ID: BTC_2-5_R]	39.544374 °	39.544028 °	8
								-121.846366 °	-121.846595 °	Y
								DWR ID: DWR_MA0005_02_s_2013_8		
4	3.15	4.60		Encroachments	LS	M	DT : Ditch	39.551780 °	39.567430 °	7
					En			-121.840507 °	-121.823065 °	Y
								DWR ID: DWR_MA0005_02_s_2012_7		
5	7.38	7.38		Encroachments	LS	M	PR : Prunings	39.599607 °	39.599607 °	11
					Ma			-121.793848 °	-121.793848 °	Y
								DWR ID: DWR_MA0005_02_s_2012_11		
6	7.86	7.86		Encroachments	LS	M	PR : Prunings	39.605265 °	39.605265 °	2
					Ma			-121.788388 °	-121.788388 °	Y
								DWR ID: DWR_MA0005_02_s_2012_2		
7	8.10	8.10		Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.607710 °	39.607710 °	13
					Ma			-121.785868 °	-121.785868 °	Y
								DWR ID: DWR_MA0005_02_s_2012_13		
8	8.45	8.45		Encroachments	LS	M	PR : Prunings	39.612212 °	39.612212 °	15
					En			-121.782922 °	-121.782922 °	Y
								DWR ID: DWR_MA0005_02_s_2012_15		
9	8.80	8.80		Encroachments	LS	M	PR : Prunings	39.616353 °	39.616353 °	17
					En			-121.779808 °	-121.779808 °	Y
								DWR ID: DWR_MA0005_02_s_2012_17		
10	8.91	8.91		Encroachments	LS	M	PR : Prunings	39.617785 °	39.617785 °	12
					En			-121.778969 °	-121.778969 °	Y
								DWR ID: DWR_MA0005_02_s_2013_12		
11	10.54	10.54		Encroachments	LS	M	PR : Prunings	39.639018 °	39.639018 °	3
					Ma			-121.781458 °	-121.781458 °	Y
								DWR ID: DWR_MA0005_02_s_2012_3		
12	10.61	10.61		Encroachments	LS	M	BU : Building	39.639967 °	39.639967 °	14
					En			-121.782152 °	-121.782152 °	Y
								DWR ID: DWR_MA0005_02_s_2012_14		
13	10.79	10.79		Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.642061 °	39.642061 °	18
					Ma			-121.783861 °	-121.783861 °	Y
								DWR ID: DWR_MA0005_02_s_2012_18		
14	10.81	10.81		Slope Stability	LS	M	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	39.642447 °	39.642447 °	16
					Ma			-121.784105 °	-121.784105 °	Y
								DWR ID: DWR_MA0005_02_s_2012_16		
15	10.95	10.99		Encroachments	LS	M	TR : Tree or limb	39.644076 °	39.644480 °	21
					En			-121.785471 °	-121.785762 °	Y
								DWR ID: DWR_MA0005_02_s_2013_21		

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1				Right	16.53	04/23/2013 04/23/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	11.22	11.22		Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.647400 ° -121.787825 °	39.647400 ° -121.787825 °	26
DWR ID: DWR_MA0005_02_f_2012_26										
17	11.74	11.95		Encroachments	LS	M En	DT : Ditch	39.654268 ° -121.789525 °	39.657142 ° -121.788690 °	6 Y
DWR ID: DWR_MA0005_02_s_2012_6										
18	13.03	13.03		Encroachments	LS	M En	PR : Prunings	39.671239 ° -121.782486 °	39.671239 ° -121.782486 °	19 Y
DWR ID: DWR_MA0005_02_s_2012_19										
19	13.23	13.23		Encroachments	LS	M Ma	EQ : Equipment	39.673956 ° -121.781278 °	39.673956 ° -121.781278 °	5
DWR ID: DWR_MA0005_02_s_2012_5										
20	13.35	13.35		Encroachments	WS	M En	PR : Prunings	39.675311 ° -121.780371 °	39.675311 ° -121.780371 °	22 Y
DWR ID: DWR_MA0005_02_s_2013_22										
21	13.97	14.16		Vegetation	WSA/W	Ob	V8 : Environmental Requirements.	39.683630 ° -121.777916 °	39.686221 ° -121.779051 °	20
DWR ID: DWR_MA0005_02_s_2012_20										
22	14.54	14.54		Encroachments	LS	U En	BU : Building	39.691432 ° -121.778933 °	39.691432 ° -121.778933 °	25
DWR ID: DWR_MA0005_02_s_2012_25										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	1.23
End Levee Mile	1.62
Location	Land Side
Category	
Item	Encroachments

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

rduffey_s_20130225_080.jpg



Levee Mile Report Line	2
Start Levee Mile	1.89
End Levee Mile	1.89
Location	Land Side
Category	
Item	Encroachments

View of the garbage along the L/S toe.

rduffey_s_20130225_082.jpg



Levee Mile Report Line	3
Start Levee Mile	2.50
End Levee Mile	2.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

rduffey_s_20130225_085.jpg



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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	3
Start Levee Mile	2.50
End Levee Mile	2.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

rduffey_s_20130225_086.jpg



Levee Mile Report Line	4
Start Levee Mile	3.15
End Levee Mile	4.60
Location	Land Side
Category	
Item	Encroachments

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

rduffey_s_20130225_084.jpg



Levee Mile Report Line	5
Start Levee Mile	7.38
End Levee Mile	7.38
Location	Land Side
Category	
Item	Encroachments

View of the prunings pile along the L/S toe.

rduffey_s_20130225_087.jpg



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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	6
Start Levee Mile	7.86
End Levee Mile	7.86
Location	Land Side
Category	
Item	Encroachments
View of the debris and garbage along the landside toe of the levee.	
rduffey_s_20130225_081.jpg	



Levee Mile Report Line	7
Start Levee Mile	8.10
End Levee Mile	8.10
Location	Land Side
Category	
Item	Slope Stability
View of the vehicle erosion along the slope.	
rduffey_s_20130225_088.jpg	



Levee Mile Report Line	8
Start Levee Mile	8.45
End Levee Mile	8.45
Location	Land Side
Category	
Item	Encroachments
View of the brush pile at the toe of the levee.	
rduffey_s_20130225_090.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	9
Start Levee Mile	8.80
End Levee Mile	8.80
Location	Land Side
Category	
Item	Encroachments

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

rduffey_s_20130225_092.jpg



Levee Mile Report Line	10
Start Levee Mile	8.91
End Levee Mile	8.91
Location	Land Side
Category	
Item	Encroachments

View of the prunings along the landside toe.

rduffey_s_20130429_378.JPG



Levee Mile Report Line	11
Start Levee Mile	10.54
End Levee Mile	10.54
Location	Land Side
Category	
Item	Encroachments

View of the prunings along the landside toe.

rduffey_s_20130429_379.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	12
Start Levee Mile	10.61
End Levee Mile	10.61
Location	Land Side
Category	
Item	Encroachments

View of the equipment along the L/S toe.

rduffey_s_20130225_089.jpg



Levee Mile Report Line	13
Start Levee Mile	10.79
End Levee Mile	10.79
Location	Land Side
Category	
Item	Slope Stability

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

rduffey_s_20130225_093.jpg



Levee Mile Report Line	14
Start Levee Mile	10.81
End Levee Mile	10.81
Location	Land Side
Category	
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey_s_20130225_091.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	15
Start Levee Mile	10.95
End Levee Mile	10.99
Location	Land Side
Category	
Item	Encroachments

View of the redwood trees planted along the landside toe.

rduffey_s_20130429_380.JPG



Levee Mile Report Line	17
Start Levee Mile	11.74
End Levee Mile	11.95
Location	Land Side
Category	
Item	Encroachments

View of the ditch along the L/S toe.

rduffey_s_20130225_083.jpg



Levee Mile Report Line	18
Start Levee Mile	13.03
End Levee Mile	13.03
Location	Land Side
Category	
Item	Encroachments

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

rduffey_s_20130225_094.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek 1	Right	16.53	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	20
Start Levee Mile	13.35
End Levee Mile	13.35
Location	Water Side
Category	
Item	Encroachments

View of the prunings along the waterside toe.

rduffey_s_20130429_381.JPG



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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0005

Waterway			Bank	Unit Miles
Unit No. 03 Little Chico Creek Diversion 1			Left	1.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/23/2013 - 04/23/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Jason Cooper 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 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion 1						Left	1.50	04/23/2013 04/23/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.60	0.60		Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	39.724264 ° -121.781043 °	39.724264 ° -121.781043 °	2 Y
DWR ID: DWR_MA0005_03_s_ 2013_2										
2	0.70	0.70		Repair Gates	CR	C		39.726622 ° -121.781545 °	39.726622 ° -121.781545 °	1
DWR ID: DWR_MA0005_03_s_ 2012_1										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion 1	Left	1.50	04/23/2013 04/23/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Land Side
Category	
Item	Vegetation

View of the levee with native grasses on both slopes.

rduffey_s_20130429_382.JPG



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