

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2012 Levee Inspection Results**

**Sutter Maintenance Yard East Levee Sacramento River**

	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.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Left	20.39

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2012 - 4/12/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter 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 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Left	20.39	04/12/2012 04/12/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma				32
DWR ID: DWR_ST0003_01_s_2012_32										
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma				33
DWR ID: DWR_ST0003_01_s_2012_33										
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma				34
DWR ID: DWR_ST0003_01_s_2012_34										
4	0.08	0.14	Earthen Levee	Encroachments	WS	U En	BU : Buildings	39.194978 ° -121.937502 °	39.195022 ° -121.938563 °	3 Y
DWR ID: DWR_ST0003_01_s_2012_3										
5	1.37	1.37	Earthen Levee	Encroachments	LS	U En	PI : Pipe	39.192562 ° -121.958002 °	39.192562 ° -121.958002 °	13 Y
DWR ID: DWR_ST0003_01_s_2012_13										
6	2.05	2.05	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.187778 ° -121.968492 °	39.187778 ° -121.968492 °	8 Y
DWR ID: DWR_ST0003_01_s_2012_8										
7	3.03	3.03	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.193945 ° -121.983368 °	39.193945 ° -121.983368 °	23 Y
DWR ID: DWR_ST0003_01_s_2012_23										
8	3.06	3.12	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.194353 ° -121.983593 °	39.195200 ° -121.983993 °	24 Y
DWR ID: DWR_ST0003_01_s_2012_24										
9	4.19	4.19	Earthen Levee	Encroachments	WS	M En	BU : Buildings	39.208935 ° -121.985310 °	39.208935 ° -121.985310 °	11 Y
DWR ID: DWR_ST0003_01_s_2012_11										
10	4.66	4.84	Earthen Levee	Encroachments	CR	U En	BU : Buildings	39.213265 ° -121.991672 °	39.213265 ° -121.991672 °	12 Y
DWR ID: DWR_ST0003_01_s_2012_12										
11	4.81	4.81	Earthen Levee	Encroachments	LS	U En	BU : Buildings	39.214168 ° -121.993515 °	39.214168 ° -121.993515 °	20 Y
DWR ID: DWR_ST0003_01_s_2012_20										
12	4.81	4.81	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	39.214218 ° -121.993682 °	39.214218 ° -121.993682 °	22 Y
DWR ID: DWR_ST0003_01_s_2012_22										
13	4.84	4.84	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	39.214232 ° -121.993805 °	39.214215 ° -121.993810 °	18 Y
DWR ID: DWR_ST0003_01_s_2012_18										
14	6.33	6.33	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	39.223540 ° -121.999028 °	39.223540 ° -121.999028 °	14 Y
DWR ID: DWR_ST0003_01_s_2012_14										
15	6.42	6.42	Earthen Levee	Encroachments	LS	M Ma	MA : Material	39.224982 ° -121.998600 °	39.225013 ° -121.998585 °	21 Y
DWR ID: DWR_ST0003_01_s_2012_21										

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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Sacramento River				Left	20.39	04/12/2012 04/12/2012	Bob Duffey		
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
16	6.71	6.71	Earthen Levee	Slope Stability	WS Ma	S1 : Repair slope instability.	39.228311 ° -121.998555 °	39.228311 ° -121.998555 °	30 Y
DWR ID: DWR_ST0003_01_s_2012_30									
17	6.76	6.76	Earthen Levee	Slope Stability	LS Ma	S1 : Repair slope instability.	39.228730 ° -121.998109 °	39.228730 ° -121.998109 °	31 Y
DWR ID: DWR_ST0003_01_s_2012_31									
18	8.76	8.76	Earthen Levee	Encroachments	LS En	BU : Buildings	39.252260 ° -121.997721 °	39.252260 ° -121.997721 °	2 Y
DWR ID: DWR_ST0003_01_s_2012_2									
19	9.23	9.23	Earthen Levee	Encroachments	LS Ma	PR : Prunings	39.257977 ° -122.000322 °	39.257977 ° -122.000322 °	1 Y
DWR ID: DWR_ST0003_01_s_2012_1									
20	10.27	10.27	Earthen Levee	Encroachments	LS En	BU : Buildings	39.270431 ° -121.999782 °	39.270431 ° -121.999782 °	4 Y
DWR ID: DWR_ST0003_01_s_2012_4									
21	10.36	10.36	Earthen Levee	Vegetation	LS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.270503 ° -122.001339 °	39.270503 ° -122.001339 °	5 Y
DWR ID: DWR_ST0003_01_s_2012_5									
22	10.47	10.64	Supplemental	USACE Erosion Survey	WS Ma	Inspector Comments: 2009 - Toe erosion and sliding cobbles. 2011: No observed change. [2011 Site ID: SAC_150-2_L]	39.271494 ° -122.003497 °	39.271307 ° -122.003295 °	27 Y
DWR ID: DWR_ST0003_01_s_2012_27									
23	11.51	11.77	Supplemental	USACE Erosion Survey	WS Ma	Inspector Comments: 2008 - Large rotational/mass failure in the bank with tree slump. 2009 - Minimal new erosion, the tree is leaning further into the river. 2011: Site extended downstream. [2011 Site ID: SAC_152-6_L]	39.279910 ° -122.018221 °	39.283853 ° -122.016113 °	28 Y
DWR ID: DWR_ST0003_01_s_2012_28									
24	11.67	11.90	Earthen Levee	Encroachments	LS En	AD : Agricultural Ditch	39.282064 ° -122.016517 °	39.285084 ° -122.014815 °	6 Y
DWR ID: DWR_ST0003_01_s_2012_6									
25	11.81	11.83	Supplemental	USACE Erosion Survey	WS Ma	Inspector Comments: 2006 - Large rotational/mass failure in the bank with tree slump. Tough clayey toe material. 2007 - Site is between stone revetments with a pump station at the downstream end. 2010 - Erosion is into the levee toe. 2011: Minor new erosion. [2011 Site ID: SAC_152-8_L]	39.285298 ° -122.015208 °	39.284568 ° -122.015690 °	29 Y
DWR ID: DWR_ST0003_01_s_2012_29									
26	11.95	12.18	Earthen Levee	Encroachments	LS En	AD : Agricultural Ditch	39.285658 ° -122.014574 °	39.288978 ° -122.013892 °	7 Y
DWR ID: DWR_ST0003_01_s_2012_7									
27	13.47	13.66	Earthen Levee	Erosion / Bank Caving	WS Ma	E1 : Note and monitor erosion site.	39.307448 ° -122.013037 °	39.310231 ° -122.012912 °	9 Y
DWR ID: DWR_ST0003_01_s_2012_9									
28	13.87	13.87	Earthen Levee	Animal Control	WS Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.313415 ° -122.012947 °	39.313415 ° -122.012947 °	25 Y
DWR ID: DWR_ST0003_01_s_2012_25									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain 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 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
29	16.21	16.21	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.343098 ° -122.024272 °	39.343098 ° -122.024272 °	15
DWR ID: DWR_ST0003_01_s_2012_15										
30	18.00	18.08	Earthen Levee	Encroachments	LS Ma	M	FW : Firewood	39.358956 ° -122.007492 °	39.359565 ° -122.006219 °	10
DWR ID: DWR_ST0003_01_s_2012_10										
31	18.04	18.18	Earthen Levee	Encroachments	LS Ma	M	EQ : Equipment	39.359188 ° -122.006878 °	39.359980 ° -122.004517 °	16 Y
DWR ID: DWR_ST0003_01_s_2012_16										
32	18.80	18.80	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.364865 ° -121.997788 °	39.364865 ° -121.997788 °	26
DWR ID: DWR_ST0003_01_s_2012_26										

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

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**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of a old building next to the landside toe.	
rduffey_s_20120312_484.jpg	



Levee Mile Report Line	6
Start Levee Mile	2.05
End Levee Mile	2.05
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes & bait station.	
rduffey_s_20120312_485.jpg	



Levee Mile Report Line	7
Start Levee Mile	3.03
End Levee Mile	3.03
Location	Water Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes & bait station.	
rduffey_s_20120312_492.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	8
Start Levee Mile	3.06
End Levee Mile	3.12
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes & bait station.	
rduffey_s_20120312_493.jpg	



Levee Mile Report Line	9
Start Levee Mile	4.19
End Levee Mile	4.19
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of the trailer next to the W/S toe.	
rduffey_s_20120312_487.jpg	



Levee Mile Report Line	10
Start Levee Mile	4.66
End Levee Mile	4.84
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of the barn on the large crown of the levee.	
rduffey_s_20120312_488.jpg	



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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	4.81
End Levee Mile	4.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the building next to the L/S toe.

rduffey\_s\_20120312\_490.jpg



Levee Mile Report Line	15
Start Levee Mile	6.42
End Levee Mile	6.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the material & garbage along the toe.

rduffey\_s\_20120312\_491.jpg



Levee Mile Report Line	16
Start Levee Mile	6.71
End Levee Mile	6.71
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the erosion along the slope of the new setback levee.

rduffey\_s\_20120430\_595.jpg



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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	17
Start Levee Mile	6.76
End Levee Mile	6.76
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the erosion along the slope of the new setback levee.

rduffey\_s\_20120430\_596.jpg



Levee Mile Report Line	18
Start Levee Mile	8.76
End Levee Mile	8.76
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the building next to the toe of the levee.

rduffey\_s\_20120430\_597.jpg



Levee Mile Report Line	19
Start Levee Mile	9.23
End Levee Mile	9.23
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the prunings along the L/S toe.

rduffey\_s\_20120312\_483.jpg



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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	22
Start Levee Mile	10.47
End Levee Mile	10.64
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
rduffey_s_20120312_495.jpg	



Levee Mile Report Line	22
Start Levee Mile	10.47
End Levee Mile	10.64
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
rduffey_s_20120312_496.jpg	



Levee Mile Report Line	23
Start Levee Mile	11.51
End Levee Mile	11.77
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
rduffey_s_20120312_497.jpg	



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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	23
Start Levee Mile	11.51
End Levee Mile	11.77
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
rduffey_s_20120312_498.jpg	



Levee Mile Report Line	23
Start Levee Mile	11.51
End Levee Mile	11.77
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
rduffey_s_20120312_499.jpg	



Levee Mile Report Line	25
Start Levee Mile	11.81
End Levee Mile	11.83
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
rduffey_s_20120312_500.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Mile Report Line	25
Start Levee Mile	11.81
End Levee Mile	11.83
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
rduffey_s_20120312_501.jpg	



Levee Mile Report Line	25
Start Levee Mile	11.81
End Levee Mile	11.83
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
rduffey_s_20120312_502.jpg	



Levee Mile Report Line	27
Start Levee Mile	13.47
End Levee Mile	13.66
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion along the W/S toe.	
rduffey_s_20120312_486.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	20.39	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	28
Start Levee Mile	13.87
End Levee Mile	13.87
Location	Water Side
Category	Earthen Levee
Item	Animal Control
View of the rodents hole along the W/S slope.	
rduffey_s_20120312_494.jpg	



Levee Mile Report Line	31
Start Levee Mile	18.04
End Levee Mile	18.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the equipment and trees next to the landside toe of the levee.	
rduffey_s_20120312_489.jpg	



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

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway		Bank	Unit Miles
Unit No. 02 Colusa Bypass		Right	2.20

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2012 - 3/29/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter Yard			

**Summer & Winter Inspections**

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DWR must be informed on the:

- a) completion of the inspection
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Unit No. 02 Colusa Bypass	Right	2.20	03/29/2012 03/29/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	6
DWR ID: DWR_ST0003_02_s_2012_6										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	7
DWR ID: DWR_ST0003_02_s_2012_7										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	8
DWR ID: DWR_ST0003_02_s_2012_8										
4	0.01	0.01	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.232058 ° -121.995514 °	39.232058 ° -121.995514 °	1 Y
DWR ID: DWR_ST0003_02_s_2012_1										
5	0.50	0.50	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.231405 ° -121.986686 °	39.231405 ° -121.986686 °	3 Y
DWR ID: DWR_ST0003_02_s_2012_3										
6	0.72	0.72	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.231403 ° -121.982587 °	39.231403 ° -121.982587 °	2
DWR ID: DWR_ST0003_02_s_2012_2										

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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Colusa Bypass	Right	2.20	03/29/2012 03/29/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the elderberries along the landside toe of the levee.

rduffey\_s\_20120312\_503.jpg



Levee Mile Report Line	5
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the grasses on both slope.

rduffey\_s\_20120416\_575.jpg



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

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles
Unit No. 03 Colusa Bypass	Left	2.28

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2012 - 3/29/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter 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:

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*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 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.28	03/29/2012 03/29/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.50	0.50	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.237057 ° -121.985000 °	39.237057 ° -121.985000 °	3 Y
DWR ID: DWR_ST0003_03_s_2012_3										
2	1.98	1.98	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.244888 ° -121.965595 °	39.244888 ° -121.965595 °	10 Y
DWR ID: DWR_ST0003_03_s_2012_10										
3	2.17	2.17	Earthen Levee	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.244838 ° -121.962072 °	39.244838 ° -121.962072 °	13 Y
DWR ID: DWR_ST0003_03_s_2012_13										

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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.28	03/29/2012 03/29/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the grasses on both slope.

rduffey\_s\_20120416\_576.jpg



Levee Mile Report Line	2
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the elderberries along the landside toe of the levee.

rduffey\_s\_20120312\_504.jpg



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

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles
Unit No. 04 Moulton Bypass	Right	0.30

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2012 - 4/12/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter Yard			

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Moulton Bypass			Right	0.30	04/12/2012 04/12/2012	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.02	Earthen Levee	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.338141 ° -122.021852 °	39.338141 ° -122.021852 °	2 Y
DWR ID: DWR_ST0003_04_s_2012_2										
2	0.12	0.12	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.337669 ° -122.020075 °	39.337669 ° -122.020075 °	4 Y
DWR ID: DWR_ST0003_04_s_2012_4										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Moulton Bypass	Right	0.30	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of a Elderberries bush by the waterside toe.

rduffey\_s\_20120312\_505.jpg



Levee Mile Report Line	2
Start Levee Mile	0.12
End Levee Mile	0.12
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the grass on both slopes.

rduffey\_s\_20120430\_598.jpg



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

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles
Unit No. 05 Moulton Bypass	Left	2.00

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2012 - 4/12/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter Yard			

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Moulton Bypass	Left	2.00	04/12/2012 04/12/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.79	1.58	Earthen Levee	Animal Control	LS	M Ma	A2 : Repair the levee slope damaged by livestock and prevent large animal access.	39.340568 ° -122.009183 °	39.335837 ° -121.995885 °	1 Y
DWR ID: DWR_ST0003_05_s_2012_1										
2	0.85	0.85	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.340210 ° -122.008117 °	39.340210 ° -122.008117 °	4 Y
DWR ID: DWR_ST0003_05_s_2012_4										
3	0.85	0.85	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.340213 ° -122.008113 °	39.340213 ° -122.008113 °	5
DWR ID: DWR_ST0003_05_s_2012_5										
4	1.06	1.06	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.338748 ° -122.004700 °	39.338748 ° -122.004700 °	6
DWR ID: DWR_ST0003_05_s_2012_6										
5	1.08	1.08	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.338605 ° -122.004365 °	39.338605 ° -122.004365 °	2
DWR ID: DWR_ST0003_05_s_2012_2										
6	1.24	1.24	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.337476 ° -122.001757 °	39.337476 ° -122.001757 °	8 Y
DWR ID: DWR_ST0003_05_s_2012_8										

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

**Levee Inspection Report By Mile - Spring 2012**

**Sutter Maintenance Yard East Levee Sacramento River**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Moulton Bypass	Left	2.00	04/12/2012 04/12/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.79
End Levee Mile	1.58
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the levee slopes damaged by livestock.	
rduffey_s_20120312_506.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.85
End Levee Mile	0.85
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodents hole along the L/S slope.	
rduffey_s_20120312_507.jpg	



Levee Mile Report Line	6
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the grass on both slopes.	
rduffey_s_20120430_599.jpg	



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