

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0003</b>		Overall LMA Rating	Total LMA Miles						
<b>Butte County Public Works Department</b>		<b>A</b>	<b>24.71</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.08		0.08	0.32%					
Encroachments	0.05		0.05	0.20%	0.20	0.55			
Animal Control	0.01		0.01	0.04%					
Slope Stability	0.01		0.01	0.04%					
<i>Supplemental</i>									
USACE Erosion Survey	0.05		0.05	0.20%					
<i>LMA Totals:</i>	0.20	0.00	0.20	0.81%	0.20	0.55	0.00	0.00	
<b>Unit No. 01 Mud Creek RB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>7.29</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments	0.04		0.04	0.55%	0.10	0.05			
<i>Supplemental</i>									
USACE Erosion Survey	0.05		0.05	0.69%					
<i>Unit Totals:</i>	0.09	0.00	0.09	1.24%	0.10	0.05	0.00	0.00	
<b>Unit No. 02 Mud Creek LB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>8.20</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments	0.01		0.01	0.12%	0.02	0.32			
Animal Control	0.01		0.01	0.12%					
<i>Unit Totals:</i>	0.02	0.00	0.02	0.24%	0.02	0.32	0.00	0.00	
<b>Unit No. 02A Channel Slough LB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>0.30</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
No Items									
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%					
<b>Unit No. 03 Sycamore and Sheep Hollow Creeks RB</b>		Overall Unit Rating	Total Unit Miles						
NA0003		<b>A</b>	<b>4.13</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Slope Stability	0.01		0.01	0.24%					
<i>Unit Totals:</i>	0.01	0.00	0.01	0.24%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin (cont.)**

Unit No. 04 Sycamore and Dry Creeks RB NA0003	Overall Unit Rating	Total Unit Miles							
	<b>A</b>	<b>2.94</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					0.08	0.18			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.08	0.18	0.00	0.00	
Unit No. 05 Big Chico Diversion LB NA0003	Overall Unit Rating	Total Unit Miles							
	<b>A</b>	<b>1.85</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.08		0.08	4.32%					
<i>Unit Totals:</i>	0.08	0.00	0.08	4.32%	0.00	0.00	0.00	0.00	

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

**Butte County Public Works Department**

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

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles
Unit No. 01 Mud Creek	Right	7.29

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2013 - 04/11/2013		10/24/2013 - 10/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek			Right	7.29	10/24/2013 10/24/2013	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				2
DWR ID: DWR_NA0003_01_s_2013_2										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma				6
DWR ID: DWR_NA0003_01_s_2013_6										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma				10
DWR ID: DWR_NA0003_01_s_2013_10										
4	2.06	2.10	Earthen Levee	Encroachments	LS	U En	FE : Fence	39.748330 ° -121.918685 °	39.748867 ° -121.918533 °	3 Y
DWR ID: DWR_NA0003_01_s_2012_3										
5	2.16	2.16	Earthen Levee	Encroachments	LS	U En	BU : Building	39.749732 ° -121.918270 °	39.749732 ° -121.918270 °	24
DWR ID: DWR_NA0003_01_s_2012_24										
6	2.18	2.25	Earthen Levee	Encroachments	LS	M En	FE : Fence	39.749917 ° -121.917738 °	39.753355 ° -121.922915 °	4
DWR ID: DWR_NA0003_01_s_2012_4										
7	2.65	2.65	Earthen Levee	Encroachments	LS	M En	PR : Prunings	39.755915 ° -121.914825 °	39.755915 ° -121.914825 °	11 Y
DWR ID: DWR_NA0003_01_f_2013_11										
8	3.00	3.00	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	39.759755 ° -121.911160 °	39.759755 ° -121.911160 °	1 Y
DWR ID: DWR_NA0003_01_s_2012_1										
9	3.10	3.10	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	39.761085 ° -121.911048 °	39.761085 ° -121.911048 °	25
DWR ID: DWR_NA0003_01_s_2012_25										
10	3.98	3.98	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	39.770351 ° -121.901349 °	39.770351 ° -121.901349 °	5
DWR ID: DWR_NA0003_01_s_2012_5										
11	4.05	4.05	Earthen Levee	Encroachments	LS	M En	PR : Prunings	39.771126 ° -121.900486 °	39.771126 ° -121.900486 °	14 Y
DWR ID: DWR_NA0003_01_f_2013_14										
12	4.32	4.37	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: MUD_4-4_R]	39.773969 ° -121.895078 °	39.773257 ° -121.895618 °	8
DWR ID:										
13	4.58	4.58	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	39.775908 ° -121.893947 °	39.775908 ° -121.893947 °	21 Y
DWR ID: DWR_NA0003_01_s_2012_21										
14	4.82	4.82	Earthen Levee	Animal Control	LS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.779128 ° -121.892759 °	39.779128 ° -121.892759 °	12
DWR ID: DWR_NA0003_01_s_2013_12										

<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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	7.29	10/24/2013 10/24/2013	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	4.91	4.91	Earthen Levee	Encroachments	LS	M	PR : Prunings	39.780068 °	39.780068 °	13
						En		-121.891469 °	-121.891469 °	Y

DWR ID: DWR\_NA0003\_01\_s\_2013\_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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	7.29	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	2.06
End Levee Mile	2.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fences along the L/S toe.	
rduffey_f_20130919_854.jpg	



Levee Mile Report Line	7
Start Levee Mile	2.65
End Levee Mile	2.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the prunings along landside toe.	
rduffey_f_20131104_121.JPG	



Levee Mile Report Line	8
Start Levee Mile	3.00
End Levee Mile	3.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the pruning pile along the L/S toe.	
rduffey_f_20130919_853.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	7.29	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	4.05
End Levee Mile	4.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the prunings along the landside toe.

rduffey\_f\_20131104\_122.JPG



Levee Mile Report Line	13
Start Levee Mile	4.58
End Levee Mile	4.58
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the brush pile along landside toe.

rduffey\_f\_20130919\_857.JPG



Levee Mile Report Line	15
Start Levee Mile	4.91
End Levee Mile	4.91
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The landowner burned the pruning pile.

rduffey\_f\_20131104\_128.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Butte County Public Works Department**

Waterway		Bank	Unit Miles
Unit No. 02 Mud Creek		Left	8.20

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2013 - 04/11/2013		10/24/2013 - 10/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	8.20	10/24/2013 10/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	1.58	1.90	Earthen Levee	Encroachments	LS	U	FE : Fence	39.782773 ° -121.888178 °	39.778972 ° -121.891563 °	3 Y
DWR ID: DWR_NA0003_02_s_2012_3										
2	2.90	2.90	Earthen Levee	Encroachments	LS	M	MA : Material	39.767841 ° -121.901534 °	39.767841 ° -121.901534 °	1 Y
DWR ID: DWR_NA0003_02_f_2013_1										
3	3.42	3.42	Earthen Levee	Encroachments	LS	M	PR : Prunings	39.763208 ° -121.908517 °	39.763208 ° -121.908517 °	5 Y
DWR ID: DWR_NA0003_02_f_2012_5										
4	3.45	3.45	Earthen Levee	Animal Control	CR	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.762853 ° -121.908653 °	39.762853 ° -121.908653 °	6 Y
DWR ID: DWR_NA0003_02_s_2013_6										
5	4.70	4.70	Earthen Levee	Animal Control	LS	A/W	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.749639 ° -121.917188 °	39.749639 ° -121.917188 °	8 Y
DWR ID: DWR_NA0003_02_f_2013_8										
6	5.59	5.59	Earthen Levee	Animal Control	LS	A/W	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.740508 ° -121.926814 °	39.740508 ° -121.926814 °	9 Y
DWR ID: DWR_NA0003_02_f_2013_9										
7	6.02	6.02	Earthen Levee	Encroachments	LS	M	PR : Prunings	39.736652 ° -121.932053 °	39.736652 ° -121.932053 °	7 Y
DWR ID: DWR_NA0003_02_s_2013_7										

<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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	8.20	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	1.58
End Levee Mile	1.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence along the landside toe of the levee.	
rduffey_f_20130919_858.jpg	



Levee Mile Report Line	2
Start Levee Mile	2.90
End Levee Mile	2.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the tree stakes along the landside slope and toe.	
rduffey_f_20131104_123.JPG	



Levee Mile Report Line	3
Start Levee Mile	3.42
End Levee Mile	3.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the brush pile along landside toe.	
rduffey_f_20130919_859.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	8.20	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	3.45
End Levee Mile	3.45
Location	Crown
Category	Earthen Levee
Item	Animal Control
View of the rodent hole in the crown roadway.	
rduffey_f_20130919_860.JPG	



Levee Mile Report Line	5
Start Levee Mile	4.70
End Levee Mile	4.70
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes along the landside slope.	
rduffey_f_20131104_124.JPG	



Levee Mile Report Line	6
Start Levee Mile	5.59
End Levee Mile	5.59
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes along the landside slope.	
rduffey_f_20131104_126.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	8.20	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	6.02
End Levee Mile	6.02
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the prunings along the landside toe.	
rduffey_f_20130919_861.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles
Unit No. 02A Channel Slough	Left	0.30

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2013 - 04/11/2013		10/24/2013 - 10/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.30	10/24/2013 10/24/2013	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.05	0.05	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	39.733623 °	39.733623 °	3
					Ma			-121.929845 °	-121.929845 °	Y

DWR ID: DWR\_NA0003\_02A\_f\_2013\_3

<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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.30	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.05
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the levee where both slopes have been dragged.	
rduffey_f_20131104_125.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.13

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2013 - 04/11/2013		10/24/2013 - 10/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.13	10/24/2013 10/24/2013	Bob Duffey

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.06	0.06	Earthen Levee	Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.786068 ° -121.881828 °	39.786068 ° -121.881828 °	3 Y
DWR ID: DWR_NA0003_03_s_2012_3										
2	1.83	1.83	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	39.780008 ° -121.852628 °	39.780008 ° -121.852628 °	4 Y
DWR ID: DWR_NA0003_03_f_2013_4										

<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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.13	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the motorcycle erosion on the landside slope of the levee.

rduffey\_f\_20130919\_862.jpg



Levee Mile Report Line	2
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the levee where both slopes have been dragged.

rduffey\_f\_20131104\_129.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>
-----------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Butte County Public Works Department**

Waterway		Bank	Unit Miles	
Unit No. 04 Sycamore and Dry Creeks		Right	2.94	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2013 - 04/11/2013		10/24/2013 - 10/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.94	10/24/2013 10/24/2013	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.98	1.05	Earthen Levee	Encroachments	LS	U	FE : Fence	39.776013 ° -121.851175 °	39.776595 ° -121.852005 °	1 Y
DWR ID: DWR_NA0003_04_s_2012_1										
2	1.16	1.27	Earthen Levee	Encroachments	LS	U	FE : Fence	39.776760 ° -121.854022 °	39.777650 ° -121.855687 °	3 Y
DWR ID: DWR_NA0003_04_s_2012_3										
3	1.32	1.40	Earthen Levee	Encroachments	LS	M	DT : Ditch	39.778003 ° -121.856403 °	39.778378 ° -121.857953 °	2 Y
DWR ID: DWR_NA0003_04_s_2012_2										
4	1.66	1.66	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	39.778760 ° -121.862625 °	39.778760 ° -121.862625 °	6 Y
DWR ID: DWR_NA0003_04_f_2013_6										

<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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.94	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.98
End Levee Mile	1.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence and trees along the landside toe of the levee.	
rduffey_f_20130919_863.jpg	



Levee Mile Report Line	2
Start Levee Mile	1.16
End Levee Mile	1.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence along the L/S toe.	
rduffey_f_20130919_865.jpg	



Levee Mile Report Line	3
Start Levee Mile	1.32
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of AG ditch at the L/S toe.	
rduffey_f_20130919_864.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.94	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	1.66
End Levee Mile	1.66
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the levee where both slopes have been dragged.	
rduffey_f_20131104_130.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles
Unit No. 05 Big Chico Diversion	Left	1.85

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2013 - 04/11/2013		10/24/2013 - 10/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/24/2013 10/24/2013	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.34	0.42	Earthen Levee	Vegetation	LS	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.761633 °	39.761117 °	3
						Ma		-121.795155 °	-121.796464 °	Y

DWR ID: DWR\_NA0003\_05\_f\_2013\_3

<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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Butte County Public Works Department**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/24/2013 10/24/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.34
End Levee Mile	0.42
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the vegetation along the landside slope and toe.	
rduffey_f_20131104_131.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
----------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------